

# CHECKLIST OF THE VASCULAR PLANTS OF FAYETTE COUNTY, PENNSYLVANIA

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## ABSTRACT

Fayette County has been botanized since the early 1800s; however, a checklist of the county's vascular flora has not previously been compiled. A search of herbaria augmented by targeted fieldwork has resulted in a list of 1,249 taxa of native and naturalized plants comprising 525 genera and 134 families. The six families with the largest number of species are Asteraceae, Poaceae, Cyperaceae, Rosaceae, Fabaceae and Lamiaceae. *Carex*, *Viola*, *Rubus*, *Polygonum* and *Solidago* are the five largest genera. There are approximately 201 non-native species that have been introduced mainly from Europe and Eurasia. This checklist recognizes 10 species of Lycophytes, 2 species of Equisetophytes, 42 species of Polypodiophytes, 10 species of Gymnosperms, and 1,149 species of Angiosperms. Eighty-five species have global or state ranking.

## RESUMEN

El condado de Fayette County ha sido herborizado desde el comienzo de los 1800s; sin embargo, no ha sido compilado previamente un listado de la flora vascular del condado. Una búsqueda en los herbarios incrementada con trabajo de campo dirigido ha dado como resultado una lista de 1,249 taxa de plantas nativas y naturalizadas que comprenden 525 géneros y 134 familias. Las seis familias con el mayor número de especies son Asteraceae, Poaceae, Cyperaceae, Rosaceae, Fabaceae y Lamiaceae. *Carex*, *Viola*, *Rubus*, *Polygonum* y *Solidago* son los cinco mayores géneros. Hay aproximadamente 201 especies no nativas que han sido introducidas principalmente de Europa y Eurasia. Este listado reconoce 10 especies de Lycophytos, 2 especies de Equisetophytos, 42 especies de Polypodiophytos, 10 especies de Gimnospermas, y 1,149 especies de Angiospermas. Ochenta y cinco especies tienen rango global o estatal.

## Site Description

Fayette County, Pennsylvania, is located in the southwestern corner of the state (Fig. 1). It is bordered by Westmoreland County to the north, Somerset County to the east, Washington and Greene Counties to the west, and the states of West Virginia and Maryland to the south. The entire western boundary of the county is the Monongahela River. The Youghiogheny River enters on the southwestern side of Pennsylvania on the border between Fayette and Somerset counties and flows northwest through a gap in the Chestnut Ridge to Connellsville and then to McKeesport.

Fayette County receives total annual precipitation of approximately 39 inches along the Monongahela River to 42 inches at the higher elevations of Chestnut Ridge and Laurel Hill. The precipitation is usually well distributed throughout the year with February usually the driest month and June the wettest. Average seasonal snowfall is 31 inches annually with the ground being snow-covered about 30 days per year.

The average date of the last 32 degree temperature in the spring is usually April 28<sup>th</sup>, and the first frost of the season is October 14<sup>th</sup>. The length of the growing season, from the last killing frost in spring to the first killing frost in autumn, is about 169 days (Uniontown, Fayette County Climate, [www.ems.psu.edu/PA\\_Climatologist/uniontown](http://www.ems.psu.edu/PA_Climatologist/uniontown)).

Sophie's Woods within Friendship Hill National Historic Site has been reported by Jeffrey D. Wagner and Robert Coxe of the Western Pennsylvania Conservancy as an old growth red oak-mixed hardwood forest. In their own words, "Forests of such maturity are unusual for the county and the region in general. Dominants include red oak (*Quercus rubra*), white oak (*Q. alba*), scarlet oak (*Q. coccinea*), tulip tree (*Liriodendron tulipifera*), and shagbark hickory (*Carya ovata*). Major shrubs include mountain laurel (*Kalmia latifolia*), spicebush (*Lindera benzoin*), and American witchazel (*Hamamelis virginiana*). Herbs in this forest are sparse

## Fayette County Pennsylvania

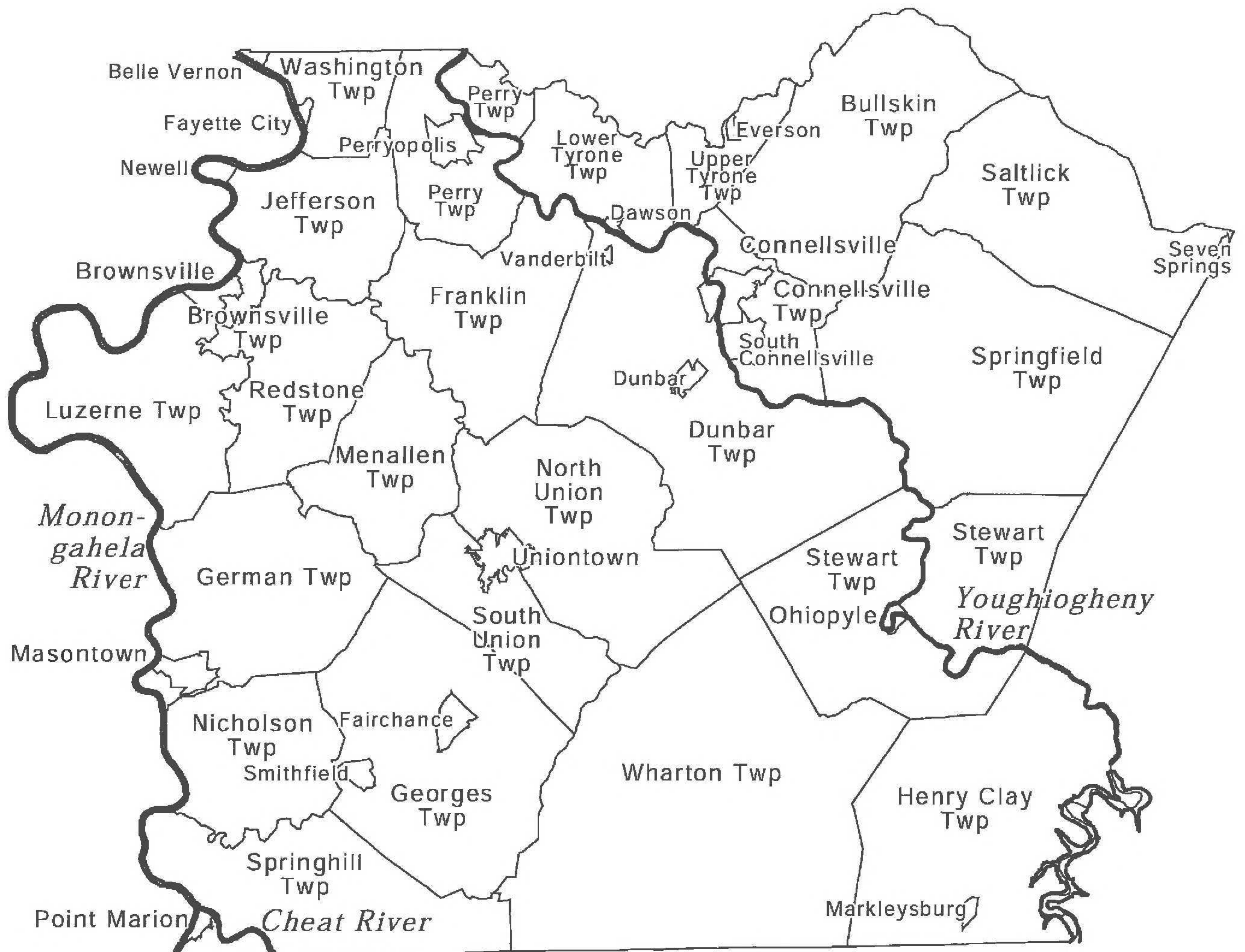
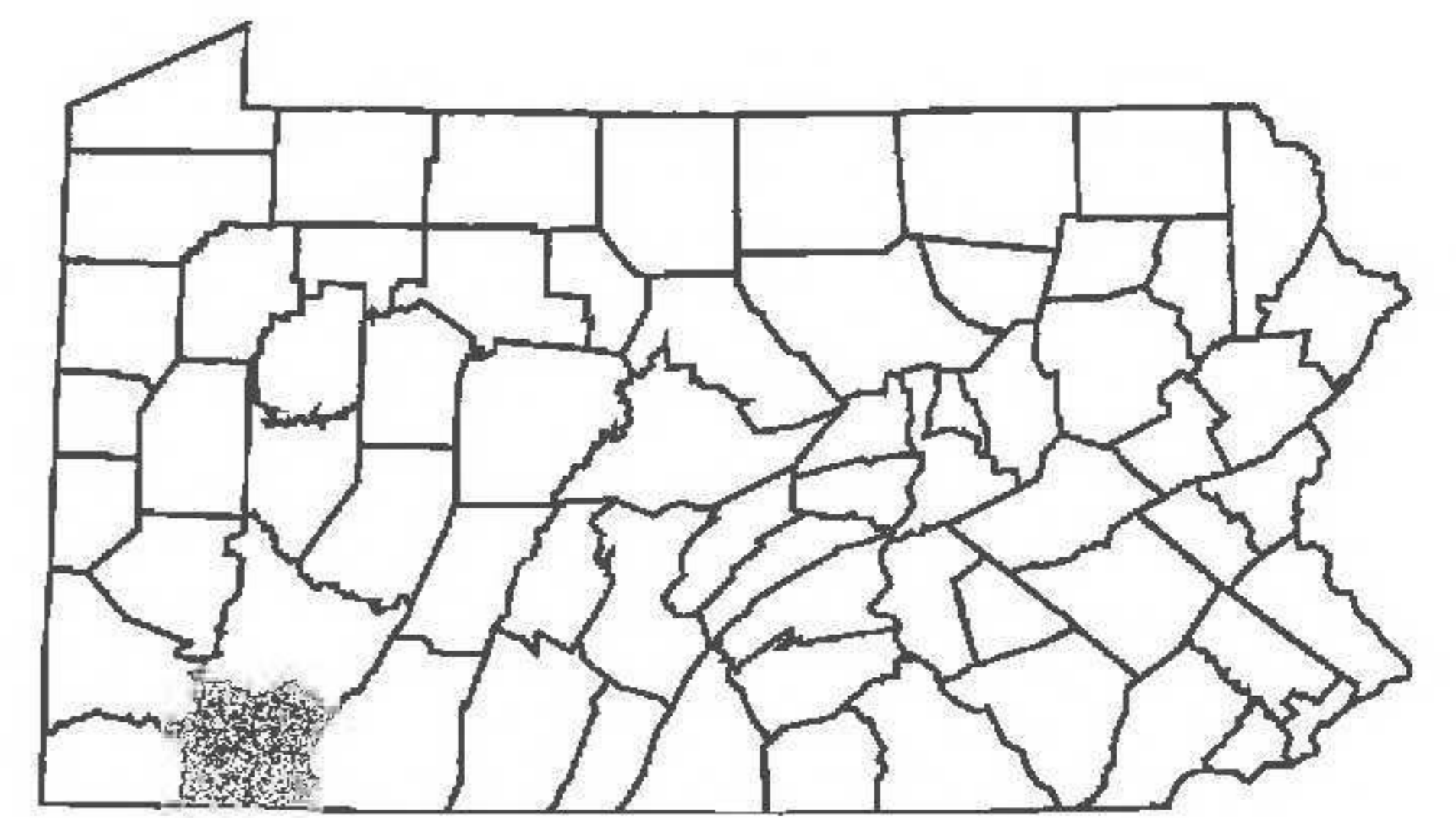


FIG. 1. Small map contains counties in Pennsylvania. Larger map consists of municipalities and major rivers of Fayette County.

mainly composed of Virginia creeper (*Parthenocissus quinquefolia*), round-leaved violet (*Viola rotundifolia*), false solomon's seal (*Smilacina racemosa*), and sessile bellflower (*Uvularia sessilifolia*). Save for the conspicuous absence of American chestnut (*Castanea dentata*), this forest is probably similar to those forests seen by Albert Gallatin when he lived here and George Washington when he surveyed the area" (Wagner & Coxe 2000).

Ferncliff Peninsula is a unique habitat encompassing a 100-acre peninsula with many rare and unusual plants for Pennsylvania. The Youghiogheny River brings seeds from West Virginia and Maryland into the gorge that is warmer than the surrounding area, allowing plants to grow in areas where they normally would not occur. The area was designated as a National Natural Landmark by the U.S. Congress in 1973 and was named a State Park Natural Area in 1992. The peninsula is shaded by oaks, hickories, tulip trees, and beech. Rare plants include: Barbara's buttons (*Marshallia grandiflora*), Carolina tassel-rue (*Trautvetteria caroliniensis*), Slender blue iris (*Iris prismatica*), Autumn willow (*Salix serissima*), and buffalo-nut (*Pyrularia pubera*). In addition, plant fossils such as *Lepidodendron* from 365-million-year-old club mosses are plentiful.

Boulders from the size of basketballs to houses occur on the waterfront while white waters make it one of the most scenic of all Eastern riverfronts (Palmer 1984).

The soils of the county consist of five main series: Gilpin-Wharton-Ernest association, Guernsey-Westmoreland-Clarksburg association, Dekalb-Hazleton-Cookpart association, Upshur-Albrights association, and Monongahela-Philo-Atkins association (Kopas 1991).

The Gilpin-Wharton-Ernest association is widely distributed. In the east it occupies the areas between Chestnut Ridge and Laurel Hill, while in the west it extends from Point Marion to Perryopolis and from Point Marion to Laurelville. These soils are deep and moderately to well-drained. They consist of level to very steep soils underlain by acid shale and some sandstone bedrock on uplands. This soil association makes up about 37 percent of the county. Portions of this association are strip-mined producing highly acidic soils, however, this association also has some of the better farming soils of the county.

The Guernsey-Westmoreland-Clarksburg association consists of rounded hilltops and a series of benches located along the slopes. These soils are deep and poorly to well-drained. They consist of moderately steep soils influenced by limestone strata in the bedrock on uplands with medium to moderately fine texture. This soil association makes up about 27 percent of the county. Areas of strip mine spoil, mine dumps, and urban land occur. Dairy and general farming are dominant.

The Dekalb-Hazleton-Cookpart association is located on and along Chestnut Ridge and Laurel Hill and along the Youghiogheny River. Most of the association is very stony. These soils are moderately deep to deep and moderately to well-drained. They are coarse to medium in texture and level to very steep soils underlain by bedrock that is dominantly acid sandstone on uplands. This soil association makes up about 25 percent of the county. Most of this association contains forestland.

The Upshur-Albrights association consists of soils formed in materials weathered from red shale, limestone, and some sandstone. It occurs along the upper slopes of Chestnut Ridge and Laurel Hill. These soils are deep and poorly to well-drained and occur on gently sloping to very steep uplands. This soil association makes up about 7 percent of the county. Much of this association is forested with a few large stone quarries present.

The Monongahela-Philo-Atkins association consists of soils formed in deep alluvial deposits that are common along the Monongahela and Youghiogheny Rivers. These soils are deep and moderately to poorly drained and are nearly level to sloping soils on stream terraces and flood plains. This soil association makes up about 4 percent of the county. Parts of this association contain the county's community and industrial development (Kopas 1991).

Fayette County is situated in the Laurel Highlands of southwestern Pennsylvania; the terrain consists of rolling hills and mountains. The eastern part of Fayette County is mountainous with Chestnut Ridge rising to heights of more than 2,900 feet. The west of Chestnut Ridge is a rolling and hilly plateau. Much of Fayette County was once underlain by coal but most of it has been mined. Elevations range from a high of 2,900 feet to a low of 290 feet above sea level.

All of Fayette County is in the Monongahela River watershed, which is part of the Ohio and Mississippi River watersheds. Two of the principal tributaries of the Monongahela River, the Youghiogheny and Cheat Rivers, flow through Fayette County.

The Monongahela subbasin has a total drainage area of 2737 square miles. It includes the Pennsylvania portion of the Monongahela River, from West Virginia and Maryland to Pittsburgh. The Pennsylvania portion of the subbasin encompasses all of Fayette County, and parts of Greene, Washington, Westmoreland, and Somerset Counties.

The Monongahela subbasin in Fayette County is divided into the following major watersheds: Lower Youghiogheny River, Middle Monongahela River, Upper Monongahela River and the Upper Youghiogheny River watersheds.

The Lower Youghiogheny River watershed has a total drainage area of 478 square miles and its major streams include Sewickley Creek, Jacobs Creek and the lower portion of the Youghiogheny River. The Middle

Monongahela River watershed has a total drainage area of 509 square miles and its major streams include the middle portion of the Monongahela River, Pigeon Creek and Redstone Creek.

The Middle Monongahela Watershed shows many extremes in water quality due to both man-made and natural causes. The greatest water problem is the pollution of the water resources by the drainage from coal mining operations, and the hundreds of abandoned oil and gas wells that are not properly sealed.

The Upper Monongahela River has a total drainage area of 377 square miles and its major water ways include Whitely Creek, Dunkard Creek, and the uppermost Pennsylvania portion of the Monongahela River. The Upper Youghiogheny River has a total drainage area of 384 square miles and its major streams include the Indian Creek, Laurel Hill Creek and the upper portion of the Youghiogheny River.

Watershed conditions need to be evaluated to detect if biodiversity is increasing or decreasing in these areas. Such comparisons will be extremely important in mining sites because they will reflect the interactions of many of the other indicators such as pollution and soil changes, which can be utilized to make better management decisions (Pennsylvania DEP Watershed Notebook 2006).

### History

Early Indian traders, land agents, and explorers were the first Europeans to blaze the way into Fayette county. In the mid-18<sup>th</sup> century, rivers were the only easily accessible means of transportation upon which the French took routes down from Canada. In 1754, George Washington led an expedition into the region which ended in defeat by the French and Indians at Fort Necessity. In 1758 after the British won the French and Indian War, settlers came back into the region to initiate subsistence farming. The Braddock Road from Cumberland northward from Fort Necessity down to Gist Plantation and on through Connellsville were the main roads in Fayette. A connector was needed to the west and Col. Burd supplied that in 1759, with the help of the Indian chief Nemacolin. The connector was from Gist's Plantation to Brownsville. These routes provided the basic network that the National Road would later follow.

In the 1770s, the territory that would become Fayette County was claimed by both Pennsylvania and Virginia. The claim was finally settled in 1780 when the Mason-and-Dixon Line was extended to the original limit of Pennsylvania's land grant, giving Virginia frontage on the Ohio River.

Fayette County was created in September 1783 from the southern portion of Westmoreland County. The county was named for Marquis de la Fayette, a young Frenchman who assisted Gen. George Washington during several major battles of the American Revolution.

Fayette County's geographic location and the wealth of its natural resources are collectively responsible for producing two major historical periods. The first is the transportation via "road and river era" and the second is the "coal and coke era."

Industrialization came at the turn of the 19<sup>th</sup> century with iron furnaces being built in the mountains to harvest deposits of iron ore and to utilize the surrounding forest as a wood source for charcoal. The glass industry was first established when Albert Gallatin opened his New Geneva glassworks in 1794. Within the next 20 years, numerous glass factories were erected at various points along the river, which brought national recognition to the upper Monongahela River valley. The National Road, built in 1815 opened up the Northwest Territory, allowing travel into areas that were previously inaccessible by river.

Vast deposits of bituminous coal underlying much of Fayette County resulted in the development of an internationally renowned coal and coke industry around the turn of the 20<sup>th</sup> century. Thousands of European immigrants came to Fayette County to work in the mines. However, by the 1950s most of the large Fayette County mines were finished and the county's economy took a major downward turn. Tourism and industrialization are the current growth prospects.

The county is divided into 42 municipalities with the majority of the population residing in the urban and suburban areas. The first census taken in 1790 documented that Fayette County had a population of nearly 13,325. As of 2000, the population was 148,644. According to the U.S. Census Bureau, the county has a total area of 2,067 km<sup>2</sup> (798 mi<sup>2</sup>), 2,046 km<sup>2</sup> (790 mi<sup>2</sup>) of it is land and 20 km<sup>2</sup> (8 mi<sup>2</sup>) is water (U.S. Census Bureau 2007).

### Major Collectors

Collecting in Fayette County for the Carnegie Museum Herbarium began in the early 1800s and has continued to the present. Most of the collectors have been members of the Botanical Society of Western Pennsylvania and the staff of the Section of Botany at Carnegie Museum. Botanists who have made significant contributions to the knowledge of the Fayette County are J. Bright, W.E. Buker, R. Coxe, L.K. Henry, O.E. Jennings, J.A. Shafer, and L. Speedy.

### METHODS

This checklist was compiled by searching the herbarium of the Carnegie Museum of Natural History (CM), Academy of Natural Sciences of Philadelphia (PH) and John Franklin Lewis Herbarium at the California University of Pennsylvania (CUP). Herbarium collection information was obtained from the Morris Arboretum (MOAR). Six specimens were examined and included from the Academy of Natural Sciences of Philadelphia (PH) and six specimens from the John Franklin Lewis Herbarium at the California University of Pennsylvania (CUP). Fieldwork was conducted targeting underrepresented areas of the county. Most of the collections were made during the last two years, but some date from the late 1940s and early 1950s, and a few are from 1873 and 1883. Rhoads and Block (2007) was the primary source for plant identification. For generic and species names, we have generally followed Kartesz (1999). Authorities are abbreviated according to Brummitt and Powell (1992).

### RESULTS AND DISCUSSION

This list includes the names of all native and naturalized species known to occur in Fayette County. It includes a total of 134 families, 525 genera, and 1213 species. The number of families, genera, species and non-native are similar to the recently reported taxa for Crawford, Greene and Washington Counties (Table 1). The six families with the largest number of species are Asteraceae, Poaceae, Cyperaceae, Rosaceae, Fabaceae and Lamiaceae. *Carex*, *Viola*, *Rubus*, *Polygonum*, and *Solidago* are the largest genera. This checklist recognizes 10 species of Lycophytes, 2 species of Equisetophytes, 42 species of Polypodiophytes, 10 species of Gymnosperms, and 1,149 species of Angiosperms. There are approximately 201 non-native species that have been introduced mainly from Europe and Eurasia. Eighty-five species have global or state ranking. Of the 85 plants that have global or state ranking, four, including, *Aconitum reclinatum*, *Delphinium exaltatum*, *Scutellaria saxatilis*, and *Vitis rupestris*, have a global ranking of G3 or vulnerable status. Three plants, *Marshallia grandiflora*, *Potamogeton tennesseensis*, and *Spiraea virginiana*, have a global ranking of G2, and one, *Malaxis bayardii*, is globally ranked as G1G2. The remaining 85 plants are either a G4 or G5 status, indicating an apparently secure or secure condition globally.

*Aconitum reclinatum* belongs to the buttercup family. It is a perennial herb from fascicled roots, with cauline leaves that are deeply divided and coarsely toothed. The flowers are white, grouped in an inflorescence at the end of the stem and lack spurs. White monkshood flowers from June to September. There are only two species of *Aconitum* in Pennsylvania. The second species, *A. uncinatum* has blue flowers, therefore white monkshood is easy to identify when in flower. It grows in moist areas along streams, in coves, or in seeps within mixed forests. It is threatened by logging activity and may be disturbed by drainage or disturbance of wetland habitats.

*Delphinium exaltatum* has alternate leaves that are palmately divided into 3–5 segments, 15 cm long, silvery-green abaxially and pubescent above and below. The basal lobes of some of the larger leaves are divided again and make the blade appear 5-lobed. The flowers are in terminal racemes. The 4 purplish-blue petals are dimorphic with the upper two expanded at the base and forming a spur. The lateral petals are reflexed and have long white hairs. The stamens are approximately 30 in number with yellow pollen. The 5 sepals of this plant are irregular. This species is readily confused with another similar taxon, *Delphinium tricornis*, however *D. tricornis* is a smaller plant, which flowers much earlier than *D. exaltatum*). By July, when *D. exaltatum* is beginning to flower, *D. tricornis* has already set fruit. Most of the collections are from rich

TABLE 1. Recent checklists produced since 2005, including total number of species, families, genera; non-native and global rare species found.

	Total	non-native	Families	Genera	Rare G1-3
Crawford <sup>1</sup>	1168	208	134	485	3
Fayette	1214	201	134	522	8
Greene <sup>2</sup>	890	179	118	438	1
Washington <sup>3</sup>	982	203	125	472	1

<sup>1</sup>Morton, Speedy and Bissell (2007), <sup>2</sup>Coxe, et al. (2005), and <sup>3</sup>Morton and Speedy (2007).

shaded woods and rocky limestone bluffs. This species is quite conspicuous and may be subject to casual picking or dug for gardens.

*Scutellaria saxatilis* is a member of the mint family. The genus *Scutellaria* is very distinctive and easily identified by the protuberance on the upper lip of the corolla. This species is a stoloniferous plant with upper cauline leaves that are broadly lanceolate to triangular, and cordate at the base. The leaves are coarsely crenate, 4–5 cm long, with a long petiole. The flowers of *S. saxatilis* are in panicles. Most of the collections are from semi-shaded areas in dry woods or, occasionally, in moist areas along streams. This species is not common, and due to its inconspicuous nature it may be overlooked. Its recovery potential is unknown.

*Vitis rupestris* is a member of the grape family. It is a bushy shrub-like grape that is seldom climbing. Tendrils are lacking or if present, reddish and only found on the uppermost nodes. The leaves are reniform, coarsely toothed and pubescent below, usually along the veins. The pith is interrupted by a diaphragm at each node. The *V. rupestris* flowers from early April to mid-June. Fruits are black berries. It grows in sandy deposits on rocky river banks.

The Large-flowered Marshallia, *Marshallia grandiflora*, is in the family Asteraceae. The leaves are narrow and tapering with three parallel veins. Near the base the leaves are petiolate, but near the apex the leaves are sessile. The flowers are small tubular, white or light blue, and clustered in disc-shaped heads at the apex of each main stem. Marshallia grows in wet forests or meadows and on stream banks throughout central Appalachia and into the southern Appalachians from southern Pennsylvania to Eastern Tennessee. It is a perennial herb flowering from early June to late July.

*Potamogeton tennesseensis* is a submersed and floating-leaved aquatic with very slender, terete stems. The floating leaves are about 2–4 cm long and 5–13 mm wide while the submersed leaves are 0.2–2 mm wide with 1–3 major veins. The overall small size of *P. tennesseensis*, in combination with the acute floating leaves, render the species reasonably distinctive from other *Potamogeton* species. The species flowers from May through September and fruits from July to October. The species occurs in ponds and streams.

The Appalachian spiraea, *Spiraea virginiana*, is in the Rosaceae. It is a clonal shrub reaching a height of 3 meters. The leaves are long, narrow, and taper to the base with nearly smooth edges. They are whitish underneath. The flowers are small with 5 white petals. The flowers are grouped into large showy clusters, up to 5 inches wide at the end of the stems. *Spiraea virginiana* flowers from late June to early July and fruits from July into early September. It typically grows along gravel bars and banks of swift flowing streams and scoured river banks that experience periodic flooding. The species is currently known from seven states from Pennsylvania to Alabama. It has become so rare and individual populations are so isolated that it is not known to set fertile seed due to lack of cross-pollination.

*Malaxis bayardii*, Bayard's adder's mouth, is one of the smallest of our native orchids. There are only about a half dozen known populations of this plant worldwide. The orchid has been reported to occur in dry, open woods, shale barrens and sandy pine barrens. The plant flowers from mid-July to August with fruits persisting into September. It is about 4 to 8 inches tall with one oval green clasping leaf. At the top of the stem is a spike of about 150 tiny yellow-green flowers that mature from the top down. The lip petal is divided into two lobes. *Malaxis unifolia* is similar in appearance but is typically found in swamps, bogs and

wet habitats. In addition, *M. unifolia* has a densely flowered inflorescence with flowers that mature from the bottom up.

There are 5 taxa in the Fayette County flora that are listed by the Pennsylvania Department of Agriculture (2007) as noxious weeds: *Cirsium arvense* (Canadian Thistle), *Cirsium vulgare* (Bull or Spear Thistle), *Datura stramonium* (Jimsonweed), *Lythrum salicaria* (Purple Loosestrife), and *Rosa multiflora* (Multiflora Rose). Other species considered serious invasives in Pennsylvania's native ecosystems are: *Acer platanoides* (Norway Maple), *Acer pseudoplatanus* (Sycamore Maple), *Ailanthus altissima* (Tree-of-Heaven), *Alliaria petiolata* (Garlic Mustard), *Berberis thunbergii* (Japanese Barberry), *Celastrus orbiculatus* (Oriental Bittersweet), *Chelidonium majus* (Greater Celandine), *Conium maculatum* (Poison Hemlock), *Coronilla varia* (Crown Vetch), *Elaeagnus umbellata* (Autumn Olive), *Euonymus alatus* (Winged Euonymus), *Festuca elatior* (Tall Fescue), *Hesperis matronalis* (Dame's Rocket), *Ligustrum obtusifolium* (Border Privet), *Ligustrum vulgare* (Common Privet), *Lonicera japonica* (Japanese Honeysuckle), *Lonicera maackii* (Amur Honeysuckle), *Lonicera morrowii* (Morrow's Honeysuckle), *Microstegium vimineum* (Japanese Stilt Grass), *Ornithogalum umbellatum* (Star-of-Bethlehem), *Pastinaca sativa* (Wild Parsnip), *Phalaris arundinacea* (Reed Canary-grass), *Polygonum cuspidatum* (Japanese Knotweed), *Polygonum sachalinense* (Japanese Knotweed), *Potamogeton crispus* (Curly Pondweed), and *Spiraea japonica* (Japanese Spiraea) (DCNR 2004).

While this checklist probably does not include of every species in Fayette County, it is the most comprehensive list presently available.

ANNOTATED CHECKLIST OF THE SPECIES OF  
FAYETTE COUNTY, PENNSYLVANIA

Taxa are listed according to the following format: taxon name, author(s), {(year) collector and number} **global: state ranking** [Synonyms], non-native source and herbarium location if not CM. We follow the state (**S**) and global (**G**) ranking systems developed by The Nature Conservancy (1996). The global numbers are designated from **1** (critically imperiled) to **5** (secure). Other notations include **SH**, which denotes historical occurrence, and **SR**, which indicates reported without persuasive documentation. Synonyms are included for names not in common usage in the state or regional manuals. In cases where there was more than one specimen present in the collection, recent collections of current collectors for the western Pennsylvania region were cited.

Families, genera, and specific and infraspecific taxa are arranged alphabetically within vascular plant groups Angiosperms, Gymnosperms, Lycophytes, Equisetophytes, and Polypodiophytes.

**ANGIOSPERMS**

**Acanthaceae**

*Justicia americana* (L.) Vahl, 2006 L. Speedy LS-06-842

**Aceraceae**

- Acer negundo* L. var. *negundo*, 2006 L. Speedy LS-06-343  
*Acer nigrum* Michx. f., 2007 L. Speedy and J. Nusser 07-605  
*Acer pensylvanicum* L., 2006 L. Speedy LS-06-143  
*Acer platanoides* L., 2007 L. Speedy 07-1631 Europe  
*Acer pseudoplatanus* L., 1935 R. Chinn s.n. Europe  
*Acer saccharum* Marsh. var. *saccharum*, 2006 L. Speedy LS-06-144  
*Acer saccharinum* L., 2006 L. Speedy LS-06-106  
*Acer spicatum* Lam., 1981 F.H. Utech 81-038  
*Acer rubrum* L. var. *rubrum*, 2007 L. Speedy LS-07-20-1  
*Acer rubrum* L. var. *trilobum* Torr. & Gray ex K. Koch, 1902 J.A. Shafer s.n.

**Acoraceae**

*Acorus calamus* L., 1977 M. Polechko s.n. India

**Alismataceae**

- Alisma subcordatum* Raf., 2006 L. Speedy LS-06-846  
*Sagittaria australis* (J.G.Sm.) Small, 2006 L. Speedy and M. Bowers LS-06-805  
*Sagittaria graminea* Michx. var. *graminea*, 2006 L. Speedy and D. Sofran LS-06-933  
*Sagittaria latifolia* Willd., 1977 M. Polechko s.n.  
*Sagittaria rigida* Pursh, 1977 M. Polechko s.n.

**Amaranthaceae**

*Amaranthus hypochondriacus* L., 1886 J.A. Shafer s.n. Africa

**Anacardiaceae**

- Rhus copallinum* L. var. *latifolia* Engl., 2007 L. Speedy 07-1029  
*Rhus glabra* L., 1953 L.K. Henry and W.E. Buker s.n.  
*Rhus typhina* L., 2006 L. Speedy LS-06-340  
*Toxicodendron radicans* (L.) Kuntze ssp. *radicans*, 2007 L. Speedy 07-1853  
*Toxicodendron vernix* (L.) Kuntze, 1922 E.H. McClelland s.n.

**Annonaceae**

*Asimina triloba* (L.) Dunal, 2006 L. Speedy LS-06-107

**Apiaceae**

*Angelica atropurpurea* L., 1948 W.E. Buker s.n.

*Angelica triquinata* Michx., 2006 L. Speedy and J. Nusser LS06-661-1

*Angelica venenosa* (Greenway) Fern., 2007 L. Speedy 07-1532

*Cicuta maculata* L., 2007 L. Speedy 07-1023

*Chaerophyllum procumbens* (L.) Crantz var. *procumbens*, 2006 L. Speedy LS-06-104

*Conium maculatum* L., 1901 J.A. Shafer s.n. Europe

*Cryptotaenia canadensis* (L.) DC., 1999 R.B. Coxe s.n.

*Daucus carota* L., 1981 F.H. Utech 81-214 Eurasia

*Erigenia bulbosa* (Michx.) Nutt., 2006 L. Speedy LS-06-43

**G5:S4**

*Heracleum maximum* Bartr., 2006 L. Speedy LS06-342-1

*Hydrocotyle americana* L., 2007 L. Speedy and M. Bowers 07-848

*Osmorhiza claytonia* (Michx.) C.B. Clarke, 2006 L. Speedy LS-06-171

*Osmorhiza longistylis* (Torr.) DC., 2006 L. Speedy LS-06-172

*Oxypolis rigidior* (L.) Raf., 2006 L. Speedy and M. Bowers LS-06-791 **G5:S2**

*Pastinaca sativa* L., 1981 F.H. Utech 81-212 Eurasia

*Sanicula canadensis* L. var. *canadensis*, 2007 L. Speedy and M. Bowers 07-688

*Sanicula marilandica* L., 2007 L. Speedy LS-07-257

*Sanicula odorata* (Raf.) K.M. Pryer & L.R. Phillippe, 2006 L. Speedy and D. Sofran LS-06-212

*Sanicula trifoliata* Bickn., 2007 L. Speedy 07-613

*Sium suave* Walt., 2007 L. Speedy 07-1031

*Taenidia integerrima* (L.) Drude, 2007 L. Speedy and M. Bowers 07-685

*Thaspium barbinode* (Michx.) Nutt., 2006 L. Speedy and D. Sofran LS-06-211

*Thaspium trifoliatum* (L.) Gray var. *aureum* Britt., 1959 W.E. Buker s.n.

*Zizia aptera* (Gray) Fern., 1959 W.E. Buker s.n.

*Zizia aurea* (L.) W.D.J. Koch, 2007 L. Speedy and M. Bowers LS-07-239

**Apocynaceae**

*Amsonia tabernaemontana* Walt. var. *tabernaemontana*, 1941 J. Lewis s.n.

*Apocynum androsaemifolium* L., 1941 O.E. Jennings s.n.

*Apocynum cannabinum* L., 2006 L. Speedy LS-06-363

*Vinca minor* L., 2007 L. Speedy 07-1723 Europe

**Aquifoliaceae**

*Ilex laevigata* (Pursh) Gray, 1933 J. Bright 8642

*Ilex montana* Torr. & Gray ex Gray, 2006 L. Speedy LS-06-405

*Ilex verticillata* (L.) Gray, 2007 L. Speedy 07-1615

*Nemopanthus mucronatus* (L.) Loes., 1946 O.E. Jennings s.n.

**Araceae**

*Arisaema dracontium* (L.) Schott, 1923 E.H. McClelland s.n.

*Arisaema triphyllum* (L.) Schott ssp. *pusillum* (Peck) Huttleston, 1905 O.E. Jennings s.n.

*Arisaema triphyllum* (L.) Schott ssp. *stewardsonii* (Britt.) Huttleston, 2006 L. Speedy LS-06-355

*Arisaema triphyllum* (L.) Schott ssp. *triphyllum*, 1995 B.L. Isaac and J.A. Isaac 7074

*Orontium aquaticum* L., 2006 L. Speedy LS-06-164 **G5:S4**

*Peltandra virginica* (L.) Schott, 1991 S.A. Thompson 8912

*Symplocarpus foetidus* (L.) Salisb. ex Nutt., 2007 L. Speedy LS-07-18

**Araliaceae**

*Aralia nudicaulis* L., 2006 L. Speedy LS-06-200

*Aralia racemosa* L. ssp. *racemosa*, 2006 L. Speedy and J. Nusser and M. Bowers LS-06-598

*Aralia spinosa* L., 2006 L. Speedy LS-06-832

*Panax quinquefolium* L., 2006 L. Speedy and J. Nusser and M. Bowers LS-06-595

*Panax trifolium* L., 2006 L. Speedy LS-06-141

**Aristolochiaceae**

*Aristolochia macrophylla* Lam., 1992 J.A. Isaac 3920

*Aristolochia serpentaria* L., 1905 J.A. Shafer and Kinzer, G.E. s.n.

*Asarum canadense* L., 2006 Speedy, L. LS-06-52

**Asclepiadaceae**

*Asclepias exaltata* L., 2007 L. Speedy and M. Bowers 07-692

*Asclepias incarnata* L. ssp. *incarnata*, 1981 F.H. Utech 81-126

*Asclepias purpurascens* L., 1999 R.B. Coxe s.n.

*Asclepias quadrifolia* Jacq., 1942 O.E. Jennings s.n.

*Asclepias syriaca* L., 2006 L. Speedy and Nusser, J. LS-06-581

*Asclepias tuberosa* L. ssp. *tuberosa*, 1981 F.H. Utech 81-047

**Asteraceae**

*Achillea millefolium* L. var. *millefolium*, 2007 L. Speedy LS-07-401 Europe

*Ageratina altissima* (L.) King & H.E. Robins. var. *altissima*, 2006 L. Speedy and D. Sofran LS-06-930

*Ambrosia artemisiifolia* L. var. *elatior* (L.) Descourtils, 2007 L. Speedy 07-1703

*Ambrosia trifida* L. var. *trifida*, 2006 L. Speedy LS-06-849

*Anaphalis margaritacea* (L.) Benth., 2007 L. Speedy 07-1829

*Antennaria howellii* Greene ssp. *neodioica* (Greene) Bayer, 2006 L. Speedy LS-06-110

*Antennaria neglecta* Greene, 2007 L. Speedy LS-07-364

*Antennaria parlinii* Fern. ssp. *fallax* (Greene) Bayer & Stebbins, 1950 L.K. Henry and F.H. Beer s.n.

*Antennaria parlinii* Fern. ssp. *parlinii*, 2007 L. Speedy LS-07-187

*Antennaria plantaginifolia* (L.) Richards., 1934 E.H. Graham s.n.

*Antennaria solitaria* Rydb., 1999 S.P. Grund 2141 **G5:S1**

*Anthemis arvensis* L., 1924 J. Bright s.n. Europe

*Anthemis cotula* L., 1901 J.A. Shafer s.n. Europe

*Arctium minus* Bernh., 1991 F.H. Utech 91-1341 Eurasia

*Arctium tomentosum* P. Mill., 1984 S.A. Thompson and J. Loughlin 1881 Eurasia

*Arnoglossum atriplicifolium* (L.) H.E. Robins., 2006 L. Speedy LS-06-1011

*Arnoglossum muehlenbergii* (Schultz-Bip.) H.E. Robins., 1996 S. Grund and J.L. Smith 1673



- Artemisia annua* L., 1916 J. Bright s.n. Eurasia  
*Artemisia vulgaris* L. var. *vulgaris*, 2004 E. Zimmerman 292 Eurasia  
*Bellis perennis* L., 1985 D. Krueger #25 Europe, CUP  
*Bidens aristosa* (Michx.) Britt., 2000 R. Coxe s.n.  
*Bidens bipinnata* L., 1970 W.E. Buker s.n.  
*Bidens cernua* L., 2006 L. Speedy LS-06-965  
*Bidens frondosa* L., 2007 L. Speedy and et al. 07-1606  
*Bidens tripartita* L., 2006 L. Speedy LS-06-851  
*Bidens vulgata* Greene, 1916 O.E. Jennings and G.K. Jennings s.n.  
*Brickellia eupatorioides* (L.) Shinnars var. *eupatorioides*, 1928 O.E. Jennings s.n.  
*Centaurea biebersteinii* DC., 1981 F.H. Utech 81-428 Europe  
*Centaurea jacea* L., 1999 S.P. Grund 2387 Europe  
*Centaurea nigra* L., 1920 J. Bright s.n. Europe  
*Cichorium intybus* L., 2006 L. Speedy LS-06-573 Europe  
*Cirsium altissimum* (L.) Spreng., 1994 J.A. Isaac 6072  
*Cirsium arvense* (L.) Scop., 1987 R.S. Mulvihill and V.J. Mosca 48 Eurasia  
*Cirsium muticum* Michx., 2007 L. Speedy 07-1545  
*Cirsium pumilum* (Nutt.) Spreng., 1947 O.E. Jennings s.n.  
*Cirsium vulgare* (Savi) Ten., 1931 O.E. Jennings s.n. Eurasia  
*Conoclinium coelestinum* (L.) DC., 2006 L. Speedy LS-06-978 **G5:S3**  
*Conyza canadensis* (L.) Cronq. var. *canadensis*, 2007 L. Speedy 07-1812  
*Coreopsis lanceolata* L., 1999 R.B. Coxe s.n.  
*Coreopsis tinctoria* Nutt. var. *tinctoria*, 1942 O.E. Jennings s.n.  
*Coreopsis tripteris* L., 2007 L. Speedy 07-1059  
*Crepis capillaris* (L.) Wallr., 1987 A.W. Cusick 27120 Europe  
*Doellingeria infirma* (Michx.) Greene, 1942 J. Bright 19041 [*Aster infirmus* Michx.]  
*Doellingeria umbellata* (P. Mill.) Nees var. *umbellata*, 2006 L. Speedy LS-06-979  
*Erechtites hieraciifolia* (L.) Raf. ex DC. var. *hieraciifolia*, 1970 L.K. Henry s.n.  
*Erigeron annuus* (L.) Pers., 1999 R.B. Coxe s.n.  
*Erigeron philadelphicus* L. var. *philadelphicus*, 1999 R.B. Coxe s.n.  
*Erigeron pulchellus* Michx. var. *pulchellus*, 1939 O.E. Jennings s.n.  
*Erigeron strigosus* Muhl. ex Willd. var. *strigosus*, 1999 R.B. Coxe s.n.  
*Eupatorium altissimum* L., 2006 L. Speedy LS-06-833  
*Eupatorium perfoliatum* L. var. *perfoliatum*, 2007 L. Speedy 07-1055  
*Eupatorium rotundifolium* L. var. *ovatum* (Bigelow) Torr., 2006 L. Speedy LS-06-839 **G5:S3**  
*Eupatorium serotinum* Michx., 2006 L. Speedy LS-06-850  
*Eupatorium sessilifolium* L. var. *sessilifolium*, 1940 O.E. Jennings s.n.  
*Eutrochium fistulosum* (Barratt) E. Lamont, 1981 F.H. Utech 81-433  
*Eutrochium maculatum* (L.) E. Lamont var. *maculatum*, 2001 J. Polonoli FG89  
*Eutrochium purpureum* (L.) E. Lamont var. *purpureum*, 2006 L. Speedy LS-06-1006  
*Eurybia divaricata* (L.) Nesom, 2006 L. Speedy LS-06-945 [*Aster divaricata* L.]  
*Eurybia macrophylla* (L.) Cass., 2006 L. Speedy LS-06-838 [*Aster macrophylla* L.]  
*Eurybia radula* (Ait.) Nesom, 1961 D.H. Ross 34 **G5:S2** [*Aster radula* Ait.]  
*Eurybia schreberi* (Nees) Nees, 2006 L. Speedy and J. Nusser LS-06-663 [*Aster schreberi* Nees]  
*Euthamia graminifolia* (L.) Greene var. *graminifolia*, 2007 L. Speedy 07-1622  
*Galinsoga quadriradiata* Cav., 2004 E. Zimmerman 291 Central and South America  
*Gamochaeta purpurea* (L.) Cabrera, 1939 O.E. Jennings and G.K. Jennings s.n.  
*Gnaphalium uliginosum* L., 1987 A.W. Cusick 27122 Europe  
*Hasteola suaveolens* (L.) Pojark., 1903 O.P. Medsger s.n.  
*Helenium autumnale* L. var. *autumnale*, 2007 L. Speedy 07-1735  
*Helianthus decapetalus* L., 2006 L. Speedy and D. Sofran LS-06-726  
*Helianthus divaricatus* L., 1951 L.K. Henry and W.E. Buker s.n.  
*Helianthus giganteus* L., 1950 L.K. Henry and W.E. Buker s.n.  
*Helianthus hirsutus* Raf., 2007 L. Speedy LS 07-1537 **G5:S2**  
*Helianthus microcephalus* Torr. & Gray, 2006 L. Speedy LS-06-954 **G5:S3**  
*Helianthus strumosus* L., 1951 L.K. Henry and W.E. Buker s.n.  
*Helianthus tuberosus* L., 1957 L.K. Henry s.n.  
*Heliopsis helianthoides* (L.) Sweet var. *helianthoides*, 2006 L. Speedy and D. Sofran LS-06-725  
*Hieracium caespitosum* Dumort., 2007 L. Speedy LS-07-404 Europe  
*Hieracium gronovii* L., 1961 W.E. Buker s.n.  
*Hieracium kalmii* L. var. *fasciculatum* (Pursch) Lepage, 1942 O.E. Jennings s.n. **G5:S3**  
*Hieracium paniculatum* L., 2006 L. Speedy and J. Nusser LS-06-673  
*Hieracium scabrum* Michx. var. *scabrum*, 1966 W.E. Buker s.n.  
*Hieracium venosum* L., 2006 L. Speedy LS-06-553  
*Hypochaeris radicata* L., 2004 E.A. Zimmerman 222 Eurasia  
*Ionactis linariifolius* (L.) Greene, 2001 J. Polonoli FG91  
*Krigia biflora* (Walt.) Blake var. *biflora*, 1961 D.H. Ross 9  
*Lactuca biennis* (Moench) Fern., 2007 L. Speedy 07-1702  
*Lactuca canadensis* L., 1953 L.K. Henry and F.H. Beer s.n.  
*Lactuca floridana* (L.) Gaertn. var. *floridana*, 2007 L. Speedy 07-1447  
*Lactuca hirsuta* Muhl. ex Nutt. var. *sanguinea* (Bigelow) Fern., 1900 J.A. Shafer s.n. **G5?:S3**  
*Lapsana communis* L., 1999 S.P. Grund 2353 Europe  
*Leucanthemum vulgare* Lam., 2007 L. Speedy LS-07-409 Europe [*Chrysanthemum leucanthemum* L.]  
*Liatris scariosa* (L.) Willd. var. *scariosa*, 1917 B.H. Patterson s.n. **G5?:S2**  
*Marshallia grandiflora* Beadle. & F.E. Boynt., 2001 J. Polonoli FG92 **G2:S1**  
*Oclemena acuminata* (Michx.) Greene, 1987 A.W. Cusick 26997 [*Aster acuminata* Michx.]  
*Packera aurea* (L.) A. & D. Love, 2006 L. Speedy LS-06-155 [*Senecio aureus* L.]

- Packera obovata* (Muhl. ex Willd.) W.A. Weber & A. Love, 2006 L. Speedy LS-06-184 [*Senecio obovatus* Muhl. ex Willd.]
- Packera paupercula* (Michx.) A. & D. Love, 1915 B.H. Patterson s.n. [*Senecio paupercula* Michx.]
- Prenanthes alba* L., 1916 J. Bright s.n.
- Prenanthes altissima* L., 2006 L. Speedy LS-06-981
- Prenanthes crepidinea* Michx., 2007 L. Speedy LS-07-121
- Prenanthes trifoliolata* (Cass.) Fern., 1947 W.E. Buker s.n.
- Pseudognaphalium macounii* (Greene) Kartesz, 1933 L. Lincoln s.n. [*Gnaphalium macounii* Greene]
- Pseudognaphalium obtusifolium* (L.) Hilliard & Burt ssp. *obtusifolium*, 1956 W.E. Buker s.n. [*Gnaphalium obtusifolium* L.]
- Rudbeckia hirta* L. var. *hirta*, 1965 H.H. Fong and F.H. Pettler and W.M. Flypiw WP-1143
- Rudbeckia hirta* L. var. *pulcherrima* Farw., 1999 R.B. Coxe s.n.
- Rudbeckia laciniata* L. var. *laciniata*, 1999 R.B. Coxe s.n.
- Rudbeckia triloba* L. var. *triloba*, 1950 L.K. Henry and W.E. Buker s.n.
- Sericocarpus asteroides* (L.) B.S.P., 1923 J. Bright s.n.
- Silphium perfoliatum* L. var. *perfoliatum*, 1941 O.E. Jennings s.n.
- Silphium trifoliatum* L. var. *trifoliatum*, 1934 J.F. Lewis 518
- Smallanthus uvedalius* (L.) Mackenzie ex Small, 2007 L. Speedy 07-1446-1 **G4G5:SR** [*Polymnia uvedalius* (L.) L.]
- Solidago altissima* L., 2006 L. Speedy LS-06-948
- Solidago arguta* Ait. var. *arguta*, 1987 A.W. Cusick 26995
- Solidago bicolor* L., 2006 L. Speedy LS-06-830
- Solidago caesia* L., 2007 L. Speedy 07-1653
- Solidago canadensis* L. var. *canadensis*, 1981 F.H. Utech 81-496
- Solidago canadensis* L. var. *hargerii* Fern., 1910 O.E. Jennings and G.K. Jennings s.n.
- Solidago erecta* Pursh, 1901 J.A. Shafer s.n.
- Solidago flexicaulis* L., 2007 L. Speedy 07-1577
- Solidago gigantea* Ait., 1942 O.E. Jennings s.n.
- Solidago juncea* Ait., 1965 L.K. Henry s.n.
- Solidago nemoralis* Ait. var. *nemoralis*, 2006 L. Speedy LS-06-957
- Solidago patula* Muhl. ex Willd. var. *patula*, 2007 L. Speedy 07-1657
- Solidago rugosa* P. Mill. ssp. *aspera*, (Ait.) Cronq., 1950 L.K. Henry and W.E. Buker s.n.
- Solidago rugosa* P. Mill. ssp. *rugosa* var. *rugosa*, 1987 A.W. Cusick 26919
- Solidago rugosa* P. Mill. ssp. *rugosa* var. *sphagnophila* Graves, 1945 O.E. Jennings s.n.
- Solidago speciosa* Nutt. var. *speciosa*, 1915 J. Bright s.n. **G5T5?:SNR**
- Solidago squarrosa* Nutt., 1929 O.E. Jennings s.n.
- Solidago uliginosa* Nutt. var. *linoides* (Torr. & Gray), 1984 S.A. Thompson and J.M. Loughlin 1889 **G4G5:S3**
- Solidago uliginosa* Nutt. var. *uliginosa*, 2006 L. Speedy and Botanical Society of Western PA LS-06-1041 **G4G5:S3**
- Solidago ulmifolia* Muhl. ex Willd. var. *ulmifolia*, 1945 O.E. Jennings s.n.
- Sonchus asper* (L.) Hill, 1924 J. Bright s.n. Europe
- Symphotrichum cordifolium* (L.) Nesom, 2006 L. Speedy LS-06-946 [*Aster cordifolius* L.]
- Symphotrichum lanceolatum* (Willd.) Nesom ssp. *lanceolatum* var. *lanceolatum*, 2007 L. Speedy and et al. 07-1603 [*Aster lanceolatus* Willd.]
- Symphotrichum lateriflorum* (L.) A. & D. Love var. *lateriflorum*, 2007 L. Speedy 07-1713 [*Aster lateriflorus* (L.) Britton]
- Symphotrichum lowrieianum* (Porter) Nesom, 1956 W.E. Buker s.n. [*Aster lowrieianum* Porter]
- Symphotrichum novae-angliae* (L.) Nesom, 2006 L. Speedy LS-06-1015 [*Aster novae-angliae* L.]
- Symphotrichum patens* (Ait.) Nesom var. *patens*, 1970 L.K. Henry s.n. [*Aster patens* Ait.]
- Symphotrichum phlogifolium* (Muhl. ex Willd.) Nesom, 1938 O.E. Jennings s.n. [*Aster phlogifolium* Muhl. ex Willd.]
- Symphotrichum pilosum* (Willd.) Nesom var. *pilosum*, 2006 L. Speedy LS-06-1016 [*Aster pilosus* Willd.]
- Symphotrichum pilosum* (Willd.) Nesom var. *pringlei* (Gray) Nesom, 1956 W.E. Buker s.n. [*Aster pilosus* Willd. var. *pringlei* (A. Gray) S.F. Blake]
- Symphotrichum praealtum* (Poir.) Nesom var. *angustior* (Wieg.) Nesom, 1950 L.K. Henry and W.E. Buker s.n. **G5:S3** [*Aster praealtum* Poir. var. *angustior* Wieg.]
- Symphotrichum prenanthoides* (Muhl. ex Willd.) Nesom, 2006 L. Speedy LS-06-955 [*Aster prenanthoides* Muhl. ex Willd.]
- Symphotrichum puniceum* (L.) A. & D. Love var. *puniceum*, 2006 L. Speedy LS-06-960 [*Aster puniceus* L.]
- Symphotrichum shortii* (Lindl.) Nesom, 2007 L. Speedy 07-1629 [*Aster shortii* Lindl.]
- Symphotrichum undulatum* (L.) Nesom, 1981 F.H. Utech 81-473 [*Aster undulatum* L.]
- Taraxacum laevigatum* (Willd.) DC., 1905 O.E. Jennings s.n. Eurasia
- Taraxacum officinale* G.H. Weber ex Wiggers ssp. *officinale*, 1953 L.K. Henry and W.E. Buker s.n. Eurasia
- Tussilago farfara* L., 1959 W.E. Buker s.n. Eurasia
- Verbesina alternifolia* (L.) Britt. ex Kearney, 2007 L. Speedy 07-1643
- Vernonia gigantea* (Walt.) Trel. ssp. *gigantea*, 1987 A.W. Cusick 26912
- Vernonia noveboracensis* (L.) Michx., 2000 R.B. Coxe s.n.
- Xanthium strumarium* L. var. *canadense* (P. Mill.) Torr. & Gray, 1969 W.E. Buker s.n.
- Balsaminaceae**
- Impatiens capensis* Meerb., 2007 L. Speedy and J. Nusser 07-603
- Impatiens pallida* Nutt., 2007 L. Speedy 07-1065
- Berberidaceae**
- Berberis thunbergii* DC., 2006 L. Speedy LS-06-344 Japan
- Caulophyllum thalictroides* (L.) Michx., 2006 L. Speedy LS-06-38
- Jeffersonia diphylla* (L.) Pers., 1950 L.K. Henry and F.H. Beer s.n.
- Podophyllum peltatum* L., 2006 L. Speedy and D. Sofran LS-06-221
- Betulaceae**
- Alnus incana* (L.) Moench ssp. *rugosa* (Du Roi) Clausen, 2007 L. Speedy 07-1038

- Alnus serrulata* (Ait.) Willd., 2006 L. Speedy LS-06-162  
*Betula alleghaniensis* Britt. var. *alleghaniensis*, 2006 L. Speedy LS-06-1013  
*Betula alleghaniensis* Britt. var. *macrolepis* (Fern.) Brayshaw, 1934 O.E. Jennings s.n.  
*Betula lenta* L., 2007 L. Speedy 07-1731  
*Carpinus caroliniana* Walt. ssp. *virginiana* (Marsh.) Furlow, 2006 L. Speedy LS-06-969  
*Corylus americana* Walt., 2006 L. Speedy LS-06-440  
*Ostrya virginiana* (P. Mill.) K. Koch var. *virginiana*, 2006 L. Speedy LS-06-32

### Bignoniaceae

- Campsis radicans* (L.) Seem. ex Bureau, 1901 J.A. Shafer s.n.  
*Catalpa bignonioides* Walt., 1940 J.F. Lewis s.n.  
*Catalpa speciosa* (Warder) Warder ex Engelm., 2007 L. Speedy 07-1647

### Boraginaceae

- Cynoglossum officinale* L., 2004 E.A. Zimmerman 212 Eurasia  
*Cynoglossum virginianum* L. var. *virginianum*, 1961 L.K. Henry s.n.  
*Echium vulgare* L. var. *vulgare*, 1999 R.B. Coxe s.n. Europe  
*Hackelia virginiana* (L.) I.M. Johnston, 2007 L. Speedy 07-1454  
*Heliotropium europaeum* L., 1972 A.W. Cusick 12647 Europe  
*Lappula squarrosa* (Retz.) Dumort., 1924 J. Bright s.n. Eurasia  
*Lithospermum latifolium* Michx., 2006 L. Speedy LS-06-624

### G4:S4

- Mertensia virginica* (L.) Pers. ex Link, 1950 L.K. Henry and F.H. Beer s.n.  
*Myosotis laxa* Lehm., 1999 R.B. Coxe s.n.  
*Myosotis scorpioides* L., 2007 L. Speedy 07-1019 Europe  
*Onosmodium molle* Michx. ssp. *hispidissimum* (Mackenzie) Boivin, 1901 J.A. Shafer 172 **G4G5T4:S1**

### Brassicaceae

- Alliaria petiolata* (Bieb.) Cavara & Grande, 2006 L. Speedy LS-06-133 Europe  
*Arabis canadensis* L., 2004 R. Coxe s.n.  
*Arabis glabra* (L.) Bernh., 1923 O.E. Jennings and E.H. Graham s.n.  
*Arabis laevigata* (Muhl. ex Willd.) Poir. var. *laevigata*, 2006 L. Speedy LS-06-103  
*Barbarea vulgaris* Ait. f., 1987 F.H. Utech 87-128 Eurasia  
*Brassica juncea* (L.) Czern., 1924 J. Bright s.n. Eurasia  
*Brassica nigra* (L.) W.D.J. Koch, 1901 J.A. Shafer s.n. Eurasia  
*Brassica rapa* L. var. *rapa*, 1929 J. Bright 2561 Europe  
*Capsella bursa-pastoris* (L.) Medik, 1950 L.K. Henry and F.H. Beer s.n. Eurasia  
*Cardamine angustata* O.E. Schulz, 2007 L. Speedy LS-07-103  
*Cardamine bulbosa* (Schreb. ex Muhl.) B.S.P., 2007 L. Speedy LS-07-182  
*Cardamine concatenata* (Michx.) Sw., 2006 L. Speedy LS-06-12  
*Cardamine diphylla* (Michx.) Wood, 2006 L. Speedy LS-06-137  
*Cardamine flexuosa* With., 1975 W.E. Buker s.n. Europe  
*Cardamine parviflora* L. var. *arenicola* (Britt.) O.E. Schulz, 1924 J. Bright s.n.

- Cardamine pensylvanica* Muhl. ex Willd., 2006 L. Speedy LS-06-152  
*Cardamine rotundifolia* Michx., 2007 L. Speedy and M. Bowers LS-07-228  
*Draba verna* L., 1951 W.E. Buker s.n. Europe  
*Erysimum cheiranthoides* L., 1904 O.E. Jennings s.n. Eurasia  
*Hesperis matronalis* L., 2006 L. Speedy and D. Sofran LS-06-226 Europe  
*Lepidium campestre* (L.) Ait. f., 1999 R.B. Coxe s.n. Eurasia  
*Lepidium virginicum* L. var. *virginicum*, 1939 W.G. Burig s.n.  
*Raphanus raphanistrum* L. var. *raphanistrum*, 1942 O.E. Jennings s.n. Mediterranean  
*Raphanus sativus* L., 1948 W.E. Buker s.n. Mediterranean  
*Rorippa nasturtium-aquaticum* (L.) Hayek, 2006 L. Speedy LS-06-134  
*Rorippa palustris* (L.) Bess. ssp. *fernaldiana* (Butters & Abbe) Jonsell, 1905 J.A. Shafer and G.E. Kinzer s.n.  
*Rorippa sylvestris* (L.) Bess., 1987 A.W. Cusick 27121 Europe  
*Sinapis alba* L., 1948 W.E. Buker s.n. Mediterranean  
*Sinapis arvensis* L., 1902 J.A. Shafer s.n. Mediterranean  
*Sisymbrium altissimum* L., 1923 O.E. Jennings and E.H. Graham s.n. Eurasia  
*Thlaspi arvense* L., 1975 W.E. Buker s.n. Europe

### Callitrichaceae

- Callitriche heterophylla* Pursh ssp. *heterophylla*, 1950 W.E. Buker s.n.  
*Callitriche palustris* L., 1989 C. Bier and T. Bier s.n.  
*Callitriche terrestris* Raf., 1939 O.E. Jennings s.n.

### Calycanthaceae

- Calycanthus floridus* L. var. *floridus*, 1939 O.E. Jennings s.n.

### Campanulaceae

- Campanula aparinoides* Pursh, 1948 D.H. Krouse s.n.  
*Campanulastrum americanum* (L.) Small, 2007 L. Speedy 07-1669  
*Lobelia cardinalis* L., 2006 L. Speedy and D. Sofran LS-06-728  
*Lobelia inflata* L., 2007 L. Speedy 07-1733  
*Lobelia siphilitica* L. var. *siphilitica*, 2006 L. Speedy and D. Sofran LS-06-929  
*Lobelia spicata* Lam. var. *spicata*, 1965 L.K. Henry s.n.  
*Triodanis perfoliata* (L.) Nieuwl. var. *perfoliata*, 1935 C.M. Boardman s.n.

### Cannabaceae

- Humulus japonicus* Sieb. & Zucc., 1991 F.H. Utech 91-2024 Asia  
*Humulus lupulus* L. var. *lupuloides* E. Small, 2006 L. Speedy LS-06-852

### Caprifoliaceae

- Diervilla lonicera* P. Mill., 1902 J.A. Shafer and O.P. Medsger s.n.  
*Lonicera canadensis* Bartr. ex Marsh., 1932 W.R. VanDersal s.n.  
*Lonicera dioica* L., 1932 W.R. VanDersal s.n.  
*Lonicera japonica* Thunb., 2007 L. Speedy 07-1805 Asia  
*Lonicera maackii* (Rupr.) Herder, 1999 R.B. Coxe s.n. Asia  
*Lonicera morrowii* Gray, 2007 L. Speedy 07-1650 Japan  
*Sambucus nigra* L. ssp. *canadensis* (L.) R. Bolli, 2006 Speedy, L. LS-06-341

- Sambucus racemosa* L. var. *racemosa*, 2006 Speedy, L. LS06-146-2  
*Symphoricarpos albus* (L.) Blake var. *laevigatus* (Fern.) Blake, 1956 W.E. Buker s.n.  
*Triosteum aurantiacum* Bickn. var. *aurantiacum*, 1921 E.H. McClelland s.n.  
*Triosteum aurantiacum* Bickn. var. *glaucescens* Wieg., 1929 O.E. Jennings s.n.  
*Viburnum acerifolium* L., 2007 L. Speedy 07-1061  
*Viburnum dentatum* L. var. *dentatum*, 1999 R.B. Coxe s.n.  
*Viburnum lentago* L., 1946 O.E. Jennings s.n.  
*Viburnum nudum* L. var. *cassinoides* (L.) Torr. & Gray, 2006 L. Speedy and T. Pearson and D. Bryant LS-06-761 **G5:S1**  
*Viburnum prunifolium* L., 2006 L. Speedy LS-06-197  
*Viburnum recognitum* Fern., 2006 L. Speedy LS-06-434

### Caryophyllaceae

- Agrostemma githago* L., 1984 F.H. Utech 84-377 Europe  
*Arenaria serpyllifolia* L., 1999 R.B. Coxe s.n. Europe  
*Cerastium fontanum* Baumg. ssp. *vulgare* (Hartman) Greuter & Burdet, 1923 E.H. McClelland s.n. Eurasia  
*Cerastium glomeratum* Thuill., 1939 O.E. Jennings s.n. Eurasia  
*Cerastium nutans* Raf. var. *nutans*, 1957 L.K. Henry s.n.  
*Dianthus armeria* L., 2007 L. Speedy LS-07-408 Europe  
*Dianthus barbatus* L., 1999 R.B. Coxe s.n. Eurasia  
*Moehringia lateriflora* (L.) Fenzl, 1946 H.N. Mozingo s.n.  
*Myosoton aquaticum* (L.) Moench, 1997 S.P. Grund 1787 Europe  
*Paronychia canadensis* (L.) Wood, 2006 L. Speedy LS-06-565  
*Paronychia fastigiata* (Raf.) Fern. var. *fastigiata*, 1939 W.G. Burig s.n.  
*Saponaria officinalis* L., 2007 L. Speedy 07-1707 Europe  
*Silene antirrhina* L., 1930 W.R. VanDersal 1671  
*Silene latifolia* Poir., 2006 L. Speedy and K. Jurkovic LS-06-468 Europe  
*Silene nivea* (Nutt.) Muhl. ex Otth, 1905 B.C. Van Pitt No. 145, PH  
*Silene stellata* (L.) Ait. f., 2006 L. Speedy LS-06-564  
*Silene vulgaris* (Moench) Garcke, 1952 C.M. Boardman s.n. Europe  
*Spergula arvensis* L., 1905 J.A. Shafer s.n. Eurasia  
*Stellaria graminea* L., 1946 O.E. Jennings s.n. Europe  
*Stellaria longifolia* Muhl. ex Willd. var. *longifolia*, 2007 L. Speedy and M. Bowers LS-07-240  
*Stellaria media* (L.) Vill. ssp. *media*, 2007 L. Speedy LS-07-93 Europe  
*Stellaria pubera* Michx., 2006 L. Speedy LS-06-111
- ### Celastraceae
- Celastrus orbiculata* Thunb., 2006 L. Speedy LS-06-950 Japan and China  
*Celastrus scandens* L., 1999 R.B. Coxe s.n.  
*Euonymus alatus* (Thunb.) Sieb., 2007 L. Speedy 07-1652 China and Japan  
*Euonymus americanus* L., 1964 W.E. Buker s.n.  
*Euonymus atropurpurea* Jacq. var. *atropurpurea*, 1935 J.F. Lewis s.n.  
*Euonymus obovatus* Nutt., 1946 H.N. Mozingo s.n.

### Chenopodiaceae

- Chenopodium album* L. var. *missouriense* (Aellen) I.J. Bassett & C.W. Crompton, 1950 L.K. Henry and W.E. Buker s.n.  
*Chenopodium botrys* L., 1902 J.A. Shafer s.n. Europe  
*Chenopodium simplex* (Torr.) Raf., 1940 O.E. Jennings s.n.

### Cistaceae

- Lechea racemulosa* Michx., 2006 L. Speedy LS-06-560

### Clethraceae

- Clethra acuminata* Michx., 2006 L. Speedy LS-06-633 **G4:S1**

### Clusiaceae

- Hypericum ascyron* L., 1919 O.E. Jennings and G.K. Jennings s.n.  
*Hypericum canadense* L., 2006 L. Speedy and K. Jurkovic LS-06-680  
*Hypericum densiflorum* Pursh, 2007 L. Speedy 07-1541 **G5:S3**  
*Hypericum ellipticum* Hook., 2007 L. Speedy and M. Bowers 07-841  
*Hypericum gentianoides* (L.) B.S.P., 2007 L. Speedy and Botanical Society of Western PA 07-1553  
*Hypericum hypericoides* (L.) Crantz ssp. *multicaule* (Michx. ex Willd.) Robson, 1915 J. Bright s.n.  
*Hypericum mutilum* L., 2006 L. Speedy and K. Jurkovic LS-06-681  
*Hypericum perforatum* L., 1999 R.B. Coxe s.n. Europe  
*Hypericum prolificum* L., 2007 L. Speedy and M. Bowers 07-691  
*Hypericum punctatum* Lam., 1965 L.K. Henry s.n.  
*Triadenum fraseri* (Spach) Gleason, 2006 L. Speedy and K. Jurkovic LS-06-687  
*Triadenum virginicum* (L.) Raf., 1984 S.A. Thompson and J. Loughlin 1888

### Commelinaceae

- Commelina communis* L. var. *communis*, 2000 R. Coxe s.n. Asia  
*Tradescantia virginiana* L., 1985 D. Krueger 166-B, CUP

### Convolvulaceae

- Calystegia sepium* (L.) R. Br. ssp. *appalachiana* Brummitt, 1981 F.H. Utech 81-222  
*Calystegia silvatica* (Kit.) Griseb. ssp. *fraterniflora* (Mackenzie & Bush) Brummitt, 1950 L.K. Henry and W.E. Buker s.n.  
*Convolvulus arvensis* L., 1948 L.K. Henry s.n. Europe  
*Ipomoea pandurata* (L.) G.F.W. Mey., 1950 W.E. Buker s.n.

### Cornaceae

- Cornus alternifolia* L. f., 1946 H.N. Mozingo s.n.  
*Cornus amomum* P. Mill., 2006 L. Speedy LS-06-1018  
*Cornus florida* L., 2006 L. Speedy LS-06-65  
*Cornus obliqua* Raf., 2007 L. Speedy 07-1700  
*Cornus racemosa* Lam., 1999 R.B. Coxe s.n.  
*Nyssa sylvatica* Marsh., 2006 L. Speedy and M. Bowers LS-06-277

### Crassulaceae

- Hylotelephium telephium* (L.) H. Ohba. ssp. *telephium*, 1999 R.B. Coxe s.n. Eurasia [*Sedum telephium* L.]

*Penthorum sedoides* L., 2005 B.C. Van Pitt No. 99, PH  
*Sedum ternatum* Michx., 2007 L. Speedy LS-07-416

### Cucurbitaceae

*Echinocystis lobata* (Michx.) Torr. & Gray, 2007 L. Speedy 07-1460  
*Sicyos angulatus* L., 2006 L. Speedy LS-06-947

### Cuscutaceae

*Cuscuta gronovii* Willd. ex J.A. Schultes var. *gronovii*, 1999 S.P. Grund and et al. 2348  
*Cuscuta pentagona* Engelm. var. *pentagona*, 1982 F.H. Utech 82-389 **G5:S3**

### Cyperaceae

- Bulbostylis capillaris* (L.) Kunth ex C.B. Clarke ssp. *capillaris*, 1972 A.W. Cusick 12649  
*Carex albicans* Willd ex. Spreng var. *albicans*, 1960 W.E. Buker s.n.  
*Carex albolutescens* Schwein., 1924 J. Bright s.n.  
*Carex albursina* Sheldon, 2006 L. Speedy LS-06-563  
*Carex amphibola* Steud., 1918 J. Bright s.n.  
*Carex annectens* (Bickn.) Bickn., 1946 O.E. Jennings s.n.  
*Carex argyrantha* Tuckerman, 1954 W.E. Buker s.n.  
*Carex atlantica* Bailey ssp. *atlantica*, 2007 L. Speedy 07-538  
*Carex baileyi* Britt., 1930 W.R. VanDersal 1661  
*Carex bromoides* Schkuhr ex Willd. ssp. *bromoides*, 1999 R.B. Coxe s.n.  
*Carex careyana* Torr. ex Dewey, 1997 S.P. Grund 1971 **G4G5:S1**  
*Carex cephaloidea* (Dewey) Dewey, 1924 J. Bright s.n.  
*Carex cephalophora* Muhl. ex Willd., 1908 O.E. Jennings s.n.  
*Carex communis* Bailey var. *communis*, 2006 L. Speedy and K. Jurkovic LS-06-475  
*Carex crinita* Lam. var. *crinita*, 1908 B.H. Patterson s.n.  
*Carex debilis* Michx. var. *rudgei* Bailey, 2007 L. Speedy 07-545  
*Carex digitalis* Willd. var. *digitalis*, 2006 L. Speedy and J. Nusser LS-06-676  
*Carex echinata* Murr. ssp. *echinata*, 1951 W.E. Buker s.n.  
*Carex folliculata* L., 2006 L. Speedy and K. Jurkovic LS-06-695  
*Carex frankii* Kunth, 1999 R.B. Coxe s.n.  
*Carex glaucodea* Tuckerman ex Olney, 1889 J.A. Shafer s.n.  
*Carex gracilescens* Steud., 2006 L. Speedy LS-06-620  
*Carex gracillima* Schwein., 1905 O.E. Jennings s.n.  
*Carex granularis* Muhl. ex Willd., 1918 J. Bright s.n.  
*Carex grayi* Carey, 1932 J. Bright 5453  
*Carex gynandra* Schwein., 2007 L. Speedy and M. Bowers 07-941  
*Carex hirsutella* Mackenzie, 2003 L. Speedy and C.M. Bowers s.n.  
*Carex hirtifolia* Mackenzie, 1921 J. Bright s.n.  
*Carex hitchcockiana* Dewey, 2006 L. Speedy LS-06-627  
*Carex interior* Bailey, 2007 L. Speedy 07-531  
*Carex intumescens* Rudge, 2007 L. Speedy 07-1720  
*Carex jamesii* Schwein., 2007 L. Speedy LS-07-388  
*Carex laevivaginata* (Kukenth.) Mackenzie, 2006 L. Speedy LS-06-410  
*Carex laxiculmis* Schwein. var. *copulata* (Bailey) Fern., 1929 E.M. Gress s.n.  
*Carex laxiculmis* Schwein. var. *laxiculmis*, 1920 O.E. Jennings s.n.  
*Carex laxiflora* Lam. var. *laxiflora*, 1992 J.A. Isaac 3907  
*Carex leavenworthii* Dewey, 1940 O.E. Jennings and J.F. Lewis s.n.  
*Carex leptalea* Wahlenb. ssp. *leptalea*, 2006 L. Speedy LS-06-407  
*Carex leptoneuria* (Fern.) Fern., 2006 L. Speedy LS-06-406  
*Carex lupulina* Muhl. ex Willd., 2007 L. Speedy 07-1538  
*Carex lurida* Wahlenb., 2006 L. Speedy LS-06-416  
*Carex pennsylvanica* Lam., 2006 L. Speedy LS-06-14  
*Carex planispicata* Naczi, 1929 J. Bright 1892  
*Carex plantaginea* Lam., 2007 L. Speedy 07-609  
*Carex platyphylla* Carey, 2006 L. Speedy LS-06-59  
*Carex prasina* Wahlenb., 2006 L. Speedy LS-06-359  
*Carex projecta* Mackenzie, 1999 Grund, S.P. 2262  
*Carex radiata* (Wahlenb.) Small, 2006 L. Speedy LS-06-561  
*Carex roanensis* F.J. Herm., 1929 J. Bright 1840  
*Carex rosea* Schkuhr ex Willd., 1992 J.A. Isaac 3902  
*Carex scabrata* Schwein., 2006 L. Speedy LS-06-408  
*Carex scoparia* Schkuhr ex Willd. var. *scoparia*, 2007 L. Speedy and M. Bowers 07-938  
*Carex sparganioides* Muhl. ex Willd. var. *sparganioides*, 1992 J.A. Isaac 3892  
*Carex stipata* Muhl. ex Willd. var. *stipata*, 2006 L. Speedy LS-06-433  
*Carex striatula* Michx., 2007 L. Speedy 07-616  
*Carex stricta* Lam., 2007 L. Speedy and M. Bowers 07-832  
*Carex swanii* (Fern.) Mackenzie, 2006 L. Speedy and M. Bowers LS-06-793  
*Carex torta* Boott ex Tuckerman, 2006 L. Speedy LS-06-156  
*Carex tribuloides* Wahlenb. var. *tribuloides*, 2007 L. Speedy and M. Bowers 07-838  
*Carex umbellata* Schkuhr ex Willd., 1935 L.K. Henry s.n.  
*Carex virescens* Muhl. ex Willd., 2007 L. Speedy 07-1074  
*Carex vulpinoidea* Michx. var. *vulpinoidea*, 2003 L. Speedy and C.M. Bowers s.n.  
*Carex willdenowii* Schkuhr ex Willd., 1923 J. Bright s.n.  
*Carex woodii* Dewey, 1999 S.P. Grund 2260  
*Cyperus bipartitus* Torr., 2006 L. Speedy LS-06-845  
*Cyperus esculentus* L. var. *leptostachyus* Boeckl., 2006 L. Speedy LS-06-966  
*Cyperus flavescens* L., 1997 S.P. Grund 2005  
*Cyperus odoratus* L., 1997 Grund, S.P. 2020  
*Cyperus squarrosus* L., 2006 L. Speedy LS-06-848  
*Cyperus strigosus* L. 1999 R.B. Coxe s.n.  
*Dulichium arundinaceum* (L.) Britt., 2006 L. Speedy and T. Pearson and D. Bryant LS-06-776  
*Eleocharis acicularis* (L.) Roemer & J.A. Schultes, 1934 E.H. Graham s.n.  
*Eleocharis elliptica* Kunth, 1999 S.P. Grund and et al. 2275  
*Eleocharis engelmannii* Steud., 1999 S.P. Grund and R. Coxe and E. Copeland 2359  
*Eleocharis erythropoda* Steud., 1949 O.E. Jennings s.n.  
*Eleocharis obtusa* (Willd.) J.A. Schultes, 2006 L. Speedy LS-06-446  
*Eleocharis palustris* (L.) Roemer & J.A. Schultes, 1986 C. Bier and B. Woodworth and M. Bowers s.n.

- Eleocharis tenuis* (Willd.) J.A. Schultes var. *pseudoptera* (Weatherby ex Svens.) Svens., 1940 O.E. Jennings s.n.
- Eleocharis tenuis* (Willd.) J.A. Schultes var. *tenuis*, 1999 R.B. Coxe s.n.
- Eleocharis tenuis* (Willd.) J.A. Schultes var. *verrucosa* (Svens.) Svens., 2007 L. Speedy 07-540 **G5T3T5:S1**
- Eriophorum virginicum* L., 2006 L. Speedy and Botanical Society of Western PA LS-06-1040
- Fimbristylis autumnalis* (L.) Roemer & J.A. Schultes, 1997 S.P. Grund 2008
- Rhynchospora alba* (L.) Vahl, 2006 L. Speedy and K. Jurkovic LS-06-698
- Rhynchospora capitellata* (Michx.) Vahl, 2006 L. Speedy and K. Jurkovic LS-06-685
- Rhynchospora recognita* (Gale) Kral, comb. nov. ined., 1974 R. Fulton s.n. **G5?:S1**
- Schoenoplectus acutus* (Muhl. ex Bigelow) A. & D. Love var. *acutus*, 1949 W.E. Buker s.n. **G5:S2**
- Schoenoplectus pungens* (Vahl) Palla var. *pungens*, 1999 S.P. Grund and et al. 2333
- Schoenoplectus purshianus* (Fern.) M.T. Strong, 2006 L. Speedy and K. Jurkovic LS-06-688
- Schoenoplectus tabernaemontani* (K.C. Gmel.) Palla, 1977 M. Polechko s.n.
- Scirpus atrovirens* Willd., 1999 R.B. Coxe s.n.
- Scirpus cyperinus* (L.) Kunth, 2007 L. Speedy and M. Bowers 07-939
- Scirpus expansus* Fern., 2007 L. Speedy and M. Bowers 07-940
- Scirpus hattorianus* Makino, 1999 R.B. Coxe s.n.
- Scirpus microcarpus* J. & K. Presl, 1929 O.E. Jennings s.n.
- Scirpus pendulus* Muhl., 1952 O.E. Jennings s.n.
- Scirpus polyphyllus* Vahl, 2006 L. Speedy and K. Jurkovic LS-06-710
- Dioscoreaceae**
- Dioscorea oppositifolia* L., 2007 L. Speedy and et al. 07-1601 China
- Dioscorea quaternata* J.F. Gmel., 2006 L. Speedy LS-06-400
- Dioscorea villosa* L., 1999 R.B. Coxe s.n.
- Dipsacaceae**
- Dipsacus fullonum* L., 1991 S.A. Thompson 8905 Europe
- Droseraceae**
- Drosera filiformis* Raf., 2006 L. Speedy and T. Pearson and D. Bryant LS-06-782
- Drosera rotundifolia* L. var. *rotundifolia*, 2006 L. Speedy and K. Jurkovic LS-06-705
- Elaeagnaceae**
- Elaeagnus umbellata* Thunb., 2006 L. Speedy LS-06-117 Asia
- Ericaceae**
- Epigaea repens* L., 2006 L. Speedy and M. Bowers LS-06-271
- Gaultheria procumbens* L., 2006 L. Speedy LS-06-637
- Gaylussacia baccata* (Wangenh.) K. Koch, 2006 L. Speedy and E. Richards LS-06-295
- Kalmia latifolia* L., 2006 L. Speedy LS-06-415
- Lyonia ligustrina* (L.) DC. var. *ligustrina*, 2007 L. Speedy and M. Bowers 07-833
- Oxydendrum arboreum* (L.) DC., 2000 R. Coxe s.n. **G5:S3S4**
- Rhododendron arborescens* (Pursh) Torr., 2007 L. Speedy 07-539
- Rhododendron maximum* L., 2006 L. Speedy and M. Bowers LS-06-517
- Rhododendron periclymenoides* (Michx.) Shinners, 2006 L. Speedy and M. Bowers LS-06-280
- Rhododendron viscosum* (L.) Torr., 2006 L. Speedy and E. Richards LS-06-300
- Vaccinium angustifolium* Ait., 1995 B.L. Isaac and J.A. Isaac 7544
- Vaccinium corymbosum* L., 2006 L. Speedy LS-06-205
- Vaccinium macrocarpon* Ait., 2006 L. Speedy and K. Jurkovic LS-06-696
- Vaccinium oxycoccos* L., 2006 L. Speedy and E. Richards LS-06-298
- Vaccinium pallidum* Ait., 2006 L. Speedy LS-06-206
- Vaccinium stamineum* L., 2006 L. Speedy and M. Bowers LS-06-272
- Euphorbiaceae**
- Acalypha rhomboidea* Raf., 2007 L. Speedy 07-1575
- Acalypha virginica* L., 1902 J.A. Shafer and O.P. Medsger s.n.
- Chamaesyce maculata* (L.) Small, 1999 S.P. Grund and et al. 2349
- Chamaesyce nutans* (Lag.) Small, 1970 L.K. Henry s.n.
- Euphorbia corollata* L., 2007 L. Speedy and M. Bowers 07-683
- Euphorbia cyparissias* L., 1915 J. Bright s.n. Eurasia
- Euphorbia dentata* Michx. var. *dentata*, 2006 L. Speedy LS-06-952
- Euphorbia lathyris* L., 1934 E.B. Burgess s.n. Europe
- Euphorbia marginata* Pursch, 1941 O.E. Jennings s.n.
- Fabaceae**
- Amorpha fruticosa* L., 2000 R. Coxe s.n.
- Amphicarpaea bracteata* (L.) Fern. var. *bracteata*, 2007 L. Speedy 07-1576
- Amphicarpaea bracteata* (L.) Fern. var. *comosa* (L.) Fern., 1950 L.K. Henry and W.E. Buker s.n.
- Apios americana* Medik., 2006 L. Speedy and BSWP LS-06-755
- Astragalus canadensis* L. var. *canadensis*, 1942 O.E. Jennings s.n. **G5:S2**
- Baptisia australis* (L.) R. Br. ex Ait. f. var. *australis*, 2007 L. Speedy 07-1610 **G5:S3**
- Baptisia tinctoria* (L.) R. Br. ex Ait. f., 2007 L. Speedy and M. Bowers 07-666
- Cercis canadensis* L. var. *canadensis*, 2006 L. Speedy LS-06-97
- Chamaecrista nictitans* (L.) Moench ssp. *nictitans* var. *nictitans*, 2006 L. Speedy LS-06-834
- Coronilla varia* L., 2007 L. Speedy 07-627 Europe
- Desmodium canadense* (L.) DC., 1948 L.K. Henry s.n.
- Desmodium canescens* (L.) DC., 2007 L. Speedy 07-1026
- Desmodium glutinosum* (Muhl. ex Willd.) Wood, 1950 W.E. Buker s.n.
- Desmodium laevigatum* (Nutt.) D.C., 1964 J. Lewis s.n. **G5:SU**
- Desmodium nudiflorum* (L.) DC., 1957 L.K. Henry s.n.

- Desmodium paniculatum* (L.) DC. var. *paniculatum*, 1957 L.K. Henry s.n.
- Desmodium perplexum* Schub., 2006 L. Speedy LS-06-831
- Gleditsia triacanthos* L., 2007 L. Speedy 07-1642
- Glycine max* (L.) Merr., 1933 J. Bright 8614 East Asia
- Lathyrus latifolius* L., 2007 L. Speedy and M. Bowers 07-677 Europe
- Lathyrus venosus* Muhl. ex Willd., 2001 S.P. Grund and L. Smith 2561 **G5:S2**
- Lespedeza capitata* Michx., 1950 L.K. Henry and W.E. Buker s.n.
- Lespedeza frutescens* (L.) Hornem., 2006 L. Speedy and M. Bowers LS-06-800
- Lespedeza hirta* (L.) Hornem. ssp. *hirta*, 1950 L.K. Henry and W.E. Buker s.n.
- Lespedeza repens* (L.) W. Bart., 1915 J. Bright s.n.
- Lotus corniculatus* L., 2004 E.A. Zimmerman 217 Europe
- Lupinus perennis* L. ssp. *perennis* var. *occidentalis* S. Wats., 1948 W.E. Buker s.n. **G5:S3**
- Medicago lupulina* L., 1999 S.P. Grund and et al. 2351 Eurasia
- Melilotus officinalis* (L.) Lam., 1999 R.B. Coxe s.n. Eurasia
- Phaseolus polystachyios* (L.) B.S.P. var. *polystachyios*, 1924 J. Bright s.n. **G5:S1S2**
- Robinia pseudoacacia* L., 2007 L. Speedy 07-1694
- Senna hebecarpa* (Fern.) Irwin & Barneby, 1922 O.E. Jennings s.n.
- Stylosanthes biflora* (L.) B.S.P., 1995 J.A. Isaac 8062 **G5:S2**
- Tephrosia virginiana* (L.) Pers., 1939 C.M. Boardman s.n.
- Trifolium aureum* Pollich, 2004 E.A. Zimmerman 218 Eurasia
- Trifolium campestre* Schreb., 1995 B.L. Isaac and J.A. Isaac 7566 Europe
- Trifolium hybridum* L., 1904 O.E. Jennings s.n. Eurasia
- Trifolium pratense* L., 2004 E. Zimmerman 289 Europe
- Trifolium repens* L., 2004 E. Zimmerman 284 Europe
- Vicia caroliniana* Walt., 1946 H.N. Mozingo s.n.
- Wisteria sinensis* (Sims) DC., 2007 L. Speedy and M. Bowers LS-07-249 China
- Fagaceae**
- Castanea dentata* (Marsh.) Borkh., 2006 L. Speedy LS-06-403
- Fagus grandifolia* Ehrh., 2007 L. Speedy 07-1580
- Quercus alba* L., 2006 L. Speedy LS06-210-1
- Quercus bicolor* Willd., 1999 R.B. Coxe s.n.
- Quercus xbrittonii* W.T. Davis (pro sp.), 1940 Jennings, O.E. s.n.
- Quercus coccinea* Muenchh. var. *coccinea*, 1945 O.E. Jennings s.n.
- Quercus ilicifolia* Wangenh., 1969 S. Chamberlain s.n.
- Quercus imbricaria* Michx., 2007 L. Speedy and M. Bowers 07-676
- Quercus muhlenbergii* Engelm., 1910 O.E. Jennings and G.K. Jennings s.n.
- Quercus palustris* Muenchh., 2000 R. Coxe s.n.
- Quercus prinus* L., 2007 L. Speedy 07-1811
- Quercus rubra* L. var. *ambigua* (Gray) Fern., 2007 L. Speedy 07-1076-1
- Quercus rubra* L. var. *rubra*, 2007 L. Speedy 07-1648-1
- Quercus velutina* Lam., 2007 L. Speedy and Botanical Society of Western PA 07-1555-2
- Fumariaceae**
- Adlumia fungosa* (Ait.) Greene ex B.S.P., 2004 R. Coxe s.n.
- Corydalis flavula* (Raf.) DC., 2006 L. Speedy LS-06-6
- Corydalis sempervirens* (L.) Pers., 1992 J.A. Isaac 3905
- Dicentra canadensis* (Goldie) Walp., 2006 L. Speedy LS-06-35
- Dicentra cucullaria* (L.) Bernh., 2007 L. Speedy LS-07-13
- Gentianaceae**
- Bartonia virginica* (L.) B.S.P., 2006 L. Speedy and T. Pearson and D. Bryant LS-06-779
- Gentiana andrewsii* Griseb. var. *andrewsii*, 1981 F.H. Utech 81-427
- Gentiana clausa* Raf., 2007 L. Speedy 07-1662
- Gentiana linearis* Froel., 1952 L.K. Henry and W.E. Buker s.n.
- Gentiana saponaria* L. var. *saponaria*, 2006 L. Speedy and Botanical Society of Western PA LS-06-1035 **G5:S1S2**
- Geraniaceae**
- Geranium columbinum* L., 1964 J.F. Lewis s.n. Europe
- Geranium maculatum* L., 2006 L. Speedy LS-06-190
- Grossulariaceae**
- Ribes cynosbati* L., 2007 L. Speedy 07-624
- Ribes rotundifolium* Michx., 1999 R.B. Coxe s.n.
- Ribes rubrum* L., 1995 J.A. Isaac 7047 Eurasia
- Haloragaceae**
- Myriophyllum heterophyllum* Michx., 1997 S.P. Grund 2001 **G5: S1**
- Hamamelidaceae**
- Hamamelis virginiana* L., 2007 L. Speedy 07-1849
- Hippocastanaceae**
- Aesculus flava* Ait., 2007 L. Speedy and Botanical Society of Western PA 07-1613-1
- Aesculus glabra* Willd., 1957 L.K. Henry s.n.
- Hydrangeaceae**
- Deutzia scabra* Thunb., 2007 L. Speedy 07-1649 Asia
- Hydrangea arborescens* L., 2006 L. Speedy LS-06-944
- Hydrocharitaceae**
- Elodea nuttallii* (Planch.) St. John, 1977 M. Polechko s.n.
- Vallisneria americana* Michx., 2006 L. Speedy and D. Sofran LS-06-932
- Hydrophyllaceae**
- Hydrophyllum appendiculatum* Michx., 2006 L. Speedy LS-06-182
- Hydrophyllum canadense* L., 1997 S.P. Grund 2019
- Hydrophyllum virginianum* L., 2006 L. Speedy LS-06-183
- Phacelia purshii* Buckl., 2006 L. Speedy LS-06-180
- Iridaceae**
- Iris germanica* L., 1951 W.E. Buker s.n. Europe
- Iris prismatica* Pursh ex Ker-Gawl., 1942 O.E. Jennings s.n. **G4G5:S1**
- Iris versicolor* L., 1942 O.E. Jennings s.n.
- Sisyrinchium angustifolium* P. Mill., 1999 R.B. Coxe s.n.

**Juglandaceae**

- Carya alba* (L.) Nutt. ex Ell., 2006 L. Speedy LS06-977-2  
*Carya cordiformis* (Wangenh.) K. Koch, 2006 L. Speedy and M. Bowers LS-06-528  
*Carya glabra* (P. Mill) Sweet, 1950 O.E. Jennings s.n.  
*Carya ovalis* (Wangenh.) Sarg., 1949 O.E. Jennings and E.H. Graham s.n.  
*Carya ovata* (P. Mill) K. Koch, 2006 L. Speedy LS06-976-1  
*Juglans cinerea* L., 2006 L. Speedy and J. Nusser and M. Bowers LS06-599-1  
*Juglans nigra* L., 1920 O.E. Jennings s.n.

**Juncaceae**

- Juncus acuminatus* Michx., 2006 L. Speedy and K. Jurkovic LS-06-684  
*Juncus articulatus* L., 1999 S.P. Grund and et al. 2346  
*Juncus brachycephalus* (Engelm.) Buch., 1947 O.E. Jennings s.n. **G5:S2**  
*Juncus brevicaudatus* (Engelm.) Fern., 2007 L. Speedy 07-1614  
*Juncus bufonius* L. var. *bufonius*, 1929 O.E. Jennings s.n.  
*Juncus canadensis* J. Gay ex Laharpe, 2006 L. Speedy and T. Pearson and D. Bryant LS-06-784  
*Juncus debilis* Gray, 2006 L. Speedy and K. Jurkovic LS-06-707

**G5:S3**

- Juncus dudleyi* Wieg., 1924 J. Bright s.n.  
*Juncus effusus* L. var. *pylpei* (Laharpe) Fern. & Wieg., 2006 L. Speedy and K. Jurkovic LS-06-711  
*Juncus effusus* L. var. *solutus* Fern. & Wieg., 2006 L. Speedy and M. Bowers LS-06-794  
*Juncus marginatus* Rostk., 2000 R.B. Coxe s.n.  
*Juncus subcaudatus* (Engelm.) Coville & Blake var. *subcaudatus*, 1999 S.P. Grund and R. Coxe and E. Copeland 2358  
*Juncus tenuis* Willd., 2006 L. Speedy and M. Bowers LS-06-795  
*Luzula acuminata* Raf. var. *acuminata*, 2006 L. Speedy LS-06-140  
*Luzula acuminata* Raf. var. *carolinae* (S. Wats.) Fern., 1915 J. Bright s.n.  
*Luzula echinata* (Small) F.J. Herm., 1938 L.K. Henry s.n.  
*Luzula multiflora* (Ehrh.) Lej. ssp. *multiflora* var. *multiflora*, 2007 L. Speedy LS-07-130

**Lamiaceae**

- Agastache nepetoides* (L.) Kuntze, 1939 W.G. Burig s.n.  
*Ajuga reptans* L., 1920 J. Bright s.n. Eurasia  
*Blephilia ciliata* (L.) Benth., 1950 L.K. Henry and W.E. Buker s.n.  
*Blephilia hirsuta* (Pursh) Benth. var. *hirsuta*, 2000 R. Coxe s.n.  
*Clinopodium vulgare* L., 2007 L. Speedy and M. Bowers 07-694  
*Collinsonia canadensis* L., 2007 L. Speedy 07-1048  
*Cunila organoides* (L.) Britt., 1917 B.H. Patterson s.n.  
*Glechoma hederacea* L., 1999 R.B. Coxe s.n. Eurasia  
*Hedeoma pulegioides* (L.) Pers., 2007 L. Speedy 07-1630  
*Isanthus brachiatus* (L.) B.S.P., 1953 L.K. Henry and F.H. Beer s.n.  
*Lamium maculatum* L., 1995 A. Genovese #12 Eurasia, CUP

- Leonurus cardiaca* L. ssp. *cardiaca*, 1981 F.H. Utech 81-219 Asia  
*Lycopus americanus* Muhl. ex W. Bart., 1999 R.B. Coxe s.n.  
*Lycopus uniflorus* Michx. var. *uniflorus*, 1999 S.P. Grund and et al. 2350  
*Lycopus virginicus* L., 2006 L. Speedy and M. Bowers LS-06-857  
*Meehania cordata* (Nutt.) Britt., 2007 L. Speedy LS-07-414

**G5:S1**

- Melissa officinalis* L., 2007 L. Speedy 07-1697 Asia  
*Mentha aquatica* L., 1924 J. Bright s.n. Eurasia  
*Mentha arvensis* L., 1999 S.P. Grund and et al. 2334  
*Mentha spicata* L., 1950 L.K. Henry and W.E. Buker s.n. Europe  
*Mentha xvillosa* Huds. (pro sp.), 1942 O.E. Jennings s.n. Eurasia  
*Monarda clinopodia* L., 2006 L. Speedy and M. Bowers LS-06-513  
*Monarda didyma* L., 2006 L. Speedy and M. Bowers LS-06-512  
*Monarda fistulosa* L. var. *fistulosa*, 1941 O.E. Jennings s.n.  
*Monarda media* Willd., 2006 L. Speedy and J. Nusser LS-06-671  
*Nepeta cataria* L., 2006 L. Speedy LS-06-574 Eurasia  
*Origanum vulgare* L., 1934 J.F. Lewis s.n. Mediterranean  
*Prunella vulgaris* L. ssp. *lanceolata* (W. Bart.) Hulten, 2004 E. Zimmerman 275  
*Pycnanthemum incanum* (L.) Michx. var. *incanum*, 1932 J. Bright 7521  
*Pycnanthemum tenuifolium* Schrad., 2006 L. Speedy LS-06-629  
*Pycnanthemum verticillatum* (Michx.) Pers. var. *verticillatum*, 1950 W.E. Buker s.n.  
*Salvia lyrata* L., 1995 B.L. Isaac and J.A. Isaac 7552  
*Scutellaria elliptica* Muhl. ex Spreng. var. *elliptica*, 2007 L. Speedy 07-1024  
*Scutellaria elliptica* Muhl. ex Spreng. var. *hirsuta* (Short & Peter) Fern., 1953 W.E. Buker s.n.  
*Scutellaria incana* Biehler, 2006 L. Speedy LS-06-640  
*Scutellaria lateriflora* L. var. *lateriflora*, 2007 L. Speedy and M. Bowers 07-918  
*Scutellaria saxatilis* Riddell, 2006 L. Speedy and J. Nusser LS-06-590 **G3:S1**  
*Stachys palustris* L., 1950 D.H. Krouse s.n.  
*Stachys tenuifolia* Willd., 1976 P. Jeffrey #25, CUP  
*Teucrium canadense* L. var. *canadense*, 1999 R.B. Coxe s.n.  
*Trichostema dichotomum* L., 1953 L.K. Henry and F.H. Beer s.n.

**Lauraceae**

- Lindera benzoin* (L.) Blume var. *benzoin*, 2007 L. Speedy 07-1667  
*Sassafras albidum* (Nutt.) Nees., 2006 L. Speedy LS-06-149

**Lemnaceae**

- Spirodela polyrhiza* (L.) Schleid., 1977 M. Polechko s.n.

**Lentibulariaceae**

- Utricularia macrorhiza* Le Conte, 2006 L. Speedy and K. Jurkovic LS-06-708



**Liliaceae**

- Allium canadense* L. var. *canadense*, 2006 L. Speedy LS-06-357  
*Allium cernuum* Roth var. *cernuum*, 1941 O.E. Jennings s.n.  
*Allium tricoccum* Ait., 2007 L. Speedy LS-07-124  
*Allium vineale* L. ssp. *vineale*, 1995 B.L. Isaac and J.A. Isaac 7550 Europe  
*Chamaelirium luteum* (L.) Gray, 1955 W.E. Buker s.n.  
*Clintonia borealis* (Ait.) Raf., 1957 W.E. Buker s.n.  
*Clintonia umbellulata* (Michx.) Morong, 2006 L. Speedy and D. Sofran LS-06-225  
*Erythronium americanum* Ker-Gawl. ssp. *americanum*, 2006 L. Speedy LS-06-33  
*Hypoxis hirsuta* (L.) Coville, 1950 W.E. Buker s.n.  
*Lilium canadense* L. ssp. *editorum* (Fern.) Wherry, 1950 W.E. Buker s.n.  
*Lilium philadelphicum* L. var. *philadelphicum*, 1947 W.E. Buker s.n.  
*Lilium superbum* L., 2006 L. Speedy and D. Sofran LS-06-731  
*Maianthemum canadense* Desf., 2006 L. Speedy and D. Sofran LS-06-222  
*Maianthemum racemosum* (L.) Link ssp. *racemosum*, 2006 L. Speedy and D. Sofran LS-06-219 [*Smilacina racemosa* (L.) Desf.]  
*Maianthemum stellatum* (L.) Link, 1999 S.P. Grund 2398 [*Smilacina stellatum* (L.) Desf.]  
*Medeola virginiana* L., 2006 L. Speedy and K. Jurkovic LS-06-464  
*Muscari botryoides* (L.) P. Mill., 1960 W.E. Buker s.n. Europe  
*Narcissus pseudonarcissus* L., 1947 W.E. Buker s.n. Europe  
*Ornithogalum umbellatum* L., 1950 L.K. Henry and F.H. Beer s.n. Europe  
*Polygonatum biflorum* (Walt.) Ell. var. *commutatum* (J.A. & J.H. Schultes) Morong, 2006 L. Speedy LS-06-177  
*Polygonatum pubescens* (Willd.) Pursh, 2006 L. Speedy LS-06-112  
*Prosartes lanuginosa* (Michx.) D. Don, 2006 L. Speedy LS-06-1001  
*Stenanthium gramineum* (Ker-Gawl.) Morong var. *gramineum*, 1924 J. Bright s.n. **G4G5:S1S2**  
*Streptopus lanceolatus* (Ait.) Reveal var. *lanceolatus*, 1940 O.E. Jennings and J.F. Lewis s.n.  
*Trillium erectum* L., 2006 L. Speedy LS-06-39  
*Trillium grandiflorum* (Michx.) Salisb., 2006 L. Speedy LS-06-50  
*Trillium undulatum* Willd., 2007 L. Speedy LS-07-384  
*Uvularia grandiflora* Sm., 2006 L. Speedy LS-06-622  
*Uvularia perfoliata* L., 2007 L. Speedy LS-07-411  
*Uvularia puberula* Michx., 2006 L. Speedy and M. Bowers LS-06-276  
*Uvularia sessilifolia* L., 2006 L. Speedy LS-06-166  
*Veratrum viride* Ait., 1999 R.B. Coxe s.n.

**Limnanthaceae**

- Floerkea proserpinacoides* Willd., 2006 L. Speedy LS-06-55

**Linaceae**

- Linum striatum* Walt., 2006 L. Speedy and K. Jurkovic LS-06-686

- Linum virginianum* L. var. *virginianum*, 1941 O.E. Jennings s.n.

**Lythraceae**

- Cuphea viscosissima* Jacq., 1919 O.E. Jennings s.n.  
*Lythrum salicaria* L., 2006 L. Speedy LS-06-841 Europe

**Magnoliaceae**

- Liriodendron tulipifera* L., 2006 L. Speedy LS-06-1000  
*Magnolia acuminata* (L.) L., 2006 L. Speedy LS-06-566  
*Magnolia macrophylla* Michx., 1932 O.E. Jennings s.n.  
*Magnolia tripetala* (L.) L., 1999 R.B. Coxe s.n. **G5:S2**

**Malvaceae**

- Abutilon theophrasti* Medik, 1873 B.H. Patterson s.n. Asia  
*Hibiscus syriacus* L., 1883 J.A. Koch s.n. Asia  
*Malva moschata* L., 1948 L.K. Henry s.n. Europe  
*Sida spinosa* L., 1950 L.K. Henry and W.E. Buker s.n.

**Melastomataceae**

- Rhexia virginica* L., 2006 L. Speedy and D. Sofran LS-06-734

**Menispermaceae**

- Menispermum canadense* L., 2007 L. Speedy 07-1464

**Molluginaceae**

- Mollugo verticillata* L., 1939 W.G. Burig s.n.

**Monotropaceae**

- Monotropa hypopithys* L., 1999 S.P. Grund 2354  
*Monotropa uniflora* L., 1951 L.K. Henry and W.E. Buker s.n.

**Moraceae**

- Maclura pomifera* (Raf.) Schneid., 1952 A.W. Buvinger s.n., PH  
*Morus alba* L., 2006 L. Speedy LS-06-370 Asia  
*Morus rubra* L. var. *rubra*, 1931 O.E. Jennings s.n.

**Najadaceae**

- Najas gracillima* (A. Braun ex Engelm.) Magnus, 1977 M. Polechko s.n.  
*Najas minor* All., 1977 M. Polechko s.n. Europe

**Nyctaginaceae**

- Mirabilis nyctaginea* (Michx.) MacM., 1951 L.K. Henry and W.E. Buker s.n.

**Oleaceae**

- Fraxinus americana* L., 2007 L. Speedy and M. Bowers 07-934  
*Fraxinus nigra* Marsh., 1999 R.B. Coxe s.n.  
*Fraxinus pennsylvanica* Marsh., 1934 J.F. Lewis s.n.  
*Ligustrum obtusifolium* Sieb. & Zucc., 2006 L. Speedy LS-06-366 Japan  
*Ligustrum vulgare* L., 1999 R.B. Coxe s.n. Europe

**Onagraceae**

- Chamerion angustifolium* (L.) Holub ssp. *circumvagum* (Mosquin) Kartesz, 1947 W.E. Buker s.n.  
*Circaea alpina* L. ssp. *alpina*, 1950 W.E. Buker s.n.  
*Circaea xintermedia* Ehrh. (pro sp.), 1941 O.E. Jennings s.n.  
*Circaea lutetiana* L. ssp. *canadensis* (L.) Aschers. & Magnus, 1995 B.L. Isaac and J.A. Isaac 7558  
*Epilobium coloratum* Biehler, 2006 L. Speedy and BSWP LS-06-753  
*Epilobium leptophyllum* Raf., 1965 L.K. Henry s.n.

- Gaura biennis* L., 1982 F.H. Utech and M. Ohara 82-398  
*Ludwigia alternifolia* L., 2006 L. Speedy and K. Jurkovic LS-06-682  
*Ludwigia palustris* (L.) Ell., 1977 M. Polechko s.n.  
*Oenothera biennis* L., 1950 L.K. Henry and W.E. Buker s.n.  
*Oenothera fruticosa* L. ssp. *fruticosa*, 1924 R.R. Dreisbach 3131  
*Oenothera fruticosa* L. ssp. *glauca* (Michx.) Straley, 1981 F.H. Utech 81-249, PH  
*Oenothera perennis* L., 1954 W.E. Buker s.n.

### Orchidaceae

- Arethusa bulbosa* L., 1950 W.E. Buker and L.K. Henry and F.H. Beer and M. Henrici s.n. **G4:S1**  
*Calopogon tuberosus* (L.) B.S.P. var. *tuberosus*, 1948 W.E. Buker s.n.  
*Corallorhiza maculata* (Raf.) Raf. var. *maculata*, 1950 W.E. Buker s.n.  
*Corallorhiza odontorhiza* (Willd.) Poir. var. *odontorhiza*, 1968 W.E. Buker s.n.  
*Cypripedium acaule* Ait., 1997 J.S. Shriver and A. Shriver and C. Smith 870  
*Cypripedium parviflorum* Salisb. var. *pubescens* (Willd.) Knight, 1997 J.S. Shriver and A. Shriver and C. Smith 869  
*Galearis spectabilis* (L.) Raf., 1962 W.E. Buker s.n.  
*Goodyera pubescens* (Willd.) R. Br. ex Ait. f., 2006 L. Speedy LS-06-56  
*Isotria verticillata* Raf., 2007 L. Speedy and M. Bowers 07-681  
*Liparis liliifolia* (L.) L.C. Rich. ex Ker-Gawl., 2004 E.A. Zimmerman 211  
*Liparis loeselii* (L.) L.C. Rich., 1965 W.E. Buker s.n.  
*Malaxis bayardii* Fern., 1973 P. Monk s.n. **G1G2:S1**  
*Malaxis unifolia* Michx., 1973 P. Monk s.n.  
*Platanthera ciliaris* (L.) Lindl., 1947 O.E. Jennings s.n. **G5:S2**  
*Platanthera clavellata* (Michx.) Luer, 1947 O.E. Jennings s.n.  
*Platanthera flava* (L.) Lindl. var. *herbiola* (R. Br. ex Ait. F.) Luer, 1948 W.E. Buker s.n.  
*Platanthera grandiflora* (Bigelow) Lindl., 1968 A. Molans s.n.  
*Platanthera lacera* (Michx.) G. Don, 1948 W.E. Buker s.n.  
*Platanthera orbiculata* (Pursh) Lindl., 2006 L. Speedy and J. Nusser LS-06-593  
*Platanthera peramoena* (Gray) Gray, 1996 J.S. Shriver and A. Shriver and C. Smith 659 **G5:S2**  
*Pogonia ophioglossoides* (L.) Ker-Gawl., 2006 L. Speedy and K. Jurkovic LS-06-700  
*Spiranthes cernua* (L.) L.C. Rich., 2006 L. Speedy and Botanical Society of Western PA LS-06-1038  
*Spiranthes lacera* (Raf.) Raf. var. *gracilis* (Bigelow) Luer, 1995 J.A. Isaac 8065  
*Spiranthes lucida* (H.H.Eat.) Ames, 1940 O.E. Jennings s.n. **G5:S3**  
*Spiranthes ochroleuca* (Rybd.) Rybd., 1956 W.E. Buker s.n.

### Orobanchaceae

- Conopholis americana* (L.) Wallr. f., 2006 L. Speedy and M. Bowers LS-06-270  
*Epifagus virginiana* (L.) W. Bart., 2006 L. Speedy LS-06-971  
*Orobanche uniflora* L., 2006 L. Speedy LS-06-109

### Oxalidaceae

- Oxalis dillenii* Jacq., 1970 L.K. Henry s.n.  
*Oxalis grandis* Small, 1951 L.K. Henry and W.E. Buker s.n.  
*Oxalis montana* Raf., 1886 J.A. Shafer s.n.  
*Oxalis stricta* L., 2007 L. Speedy 07-1698  
*Oxalis violacea* L., 2007 L. Speedy and M. Bowers LS-07-245

### Papaveraceae

- Chelidonium majus* L. var. *majus*, 1981 F.H. Utech 81-142 Eurasia  
*Sanguinaria canadensis* L., 2006 L. Speedy LS-06-114

### Passifloraceae

- Passiflora lutea* L., 1969 W.E. Buker s.n. **G5:S1**

### Phytolaccaceae

- Phytolacca americana* L. var. *americana*, 2007 L. Speedy 07-1699

### Plantaginaceae

- Plantago lanceolata* L., 2004 E. Zimmerman 285 Europe  
*Plantago major* L., 1942 O.E. Jennings s.n.  
*Plantago rugelii* Dcne. var. *rugelii*, 2006 L. Speedy LS-06-980  
*Plantago virginica* L., 1938 W.R. Witz s.n.

### Platanaceae

- Platanus occidentalis* L., 2007 L. Speedy 07-1050-1

### Poaceae

- Agrostis capillaris* L., 1946 R.W. Pohl 5954 Europe, PH  
*Agrostis gigantea* Roth, 2006 L. Speedy and K. Jurkovic LS-06-683 Europe  
*Agrostis perennans* (Walt.) Tuckerman, 2006 L. Speedy LS-06-1010  
*Agrostis scabra* Willd. 2006 L. Speedy LS-06-985  
*Andropogon gerardii* Vitman, 2006 L. Speedy and D. Sofran LS-06-733  
*Andropogon glomeratus* (Walt.) B.S.P. var. *glomeratus*, 2006 L. Speedy and T. Pearson and D. Bryant LS-06-762 **G5:S3**  
*Andropogon virginicus* L. var. *virginicus*, 2006 L. Speedy LS-06-986  
*Anthoxanthum odoratum* L. ssp. *odoratum*, 2007 L. Speedy LS-07-406 Eurasia  
*Aristida dichotoma* Michx. var. *dichotoma*, 1906 O.E. Jennings and G.K. Jennings s.n.  
*Arrhenatherum elatius* (L.) Beauv. ex J. & K. Presl var. *elatius*, 1980 F.H. Utech 80-153a Europe  
*Arthraxon hispidus* (Thunb.) Makino, 2006 L. Speedy and D. Sofran LS-06-931 Southeast Asia  
*Calamagrostis canadensis* (Michx.) Beauv. var. *canadensis*, 2006 L. Speedy LS-06-452  
*Calamagrostis coarctata* (Torr.) Eat., 2006 L. Speedy and T. Pearson and D. Bryant LS-06-785  
*Chasmanthium latifolium* (Michx.) Yates, 2006 L. Speedy LS-06-631 **G5:S1**  
*Cinna arundinacea* L., 2006 L. Speedy LS-06-975  
*Brachyelytrum erectum* (Schreb. ex Spreng.) Beauv., 2007 L. Speedy 07-615  
*Brachyelytrum septentrionale* (Babel) G. Tucker, 2006 L. Speedy and M. Bowers LS-06-861  
*Bromus commutatus* Schrad., 1951 W.E. Buker s.n. Europe

- Bromus hordeaceus* L. ssp. *hordeaceus*, 1995 B.L. Isaac and J.A. Isaac 7568 Europe
- Bromus inermis* Leyss. ssp. *inermis* var. *inermis*, 2004 E. Zimmerman 288 Europe
- Bromus pubescens* Muhl. ex Willd., 2006 L. Speedy and M. Bowers LS-06-527
- Dactylis glomerata* L. ssp. *glomerata*, 1987 F.H. Utech 87-130 Europe
- Danthonia compressa* Austin ex Peck, 2006 L. Speedy LS-06-558
- Danthonia spicata* (L.) Beauv. ex Roemer & J.A. Schultes, 2006 L. Speedy LS-06-554
- Deschampsia flexuosa* (L.) Trin. var. *flexuosa*, 1938 O.E. Jennings s.n.
- Diarrhena americana* Beauv., 2007 L. Speedy 07-1666
- G4?S1**
- Dichanthelium acuminatum* (Sw.) Gould & C.A. Clark var. *fasciculatum* (Torr.) Freckmann, 1934 O.E. Jennings s.n.
- Dichanthelium boreale* (Nash) Freckmann, 1965 W.E. Buker s.n.
- Dichanthelium boscii* (Poir.) Gould & C.A. Clark, 1995 B.L. Isaac and J.A. Isaac 7547
- Dichanthelium clandestinum* (L.) Gould, 2006 L. Speedy LS-06-983
- Dichanthelium commutatum* (J.A. Schultes) Gould, 1931 J. Bright 5459
- Dichanthelium depauperatum* (Muhl.) Gould, 1942 O.E. Jennings s.n.
- Dichanthelium dichotomum* (L.) Gould var. *dichotomum*, 2006 L. Speedy LS-06-984
- Dichanthelium latifolium* (L.) Gould & C.A. Clark, 1947 O.E. Jennings s.n.
- Dichanthelium linearifolium* (Scribn. ex Nash) Gould, 1934 O.E. Jennings s.n.
- Dichanthelium meridionale* (Ashe) Freckmann, 1955 W.E. Buker s.n.
- Dichanthelium sabulorum* (Lam.) Gould & C.A. Clark var. *thinium* (A.S. Hitchc. & Chase) Gould & C.A. Clark, 2006 L. Speedy LS-06-557
- Dichanthelium sphaerocarpon* (Ell.) Gould var. *isophyllum* (Scribn.) Gould & C.A. Clark, 1953 W.E. Buker s.n.
- Dichanthelium sphaerocarpon* (Ell.) Gould var. *sphaerocarpon*, 1931 J. Bright 5421
- Digitaria ischaemum* (Schreb.) Schreb. ex Muhl., 1995 Isaac, J.A. 8396 Eurasia
- Digitaria sanguinalis* (L.) Scop., 1997 Grund, S.P. 2010
- Echinochloa crus-galli* (L.) Beauv., 2004 E. Zimmerman 287 Eurasia
- Echinochloa muricata* (Beauv.) Fern. var. *muricata*, 1950 L.K. Henry and W.E. Buker s.n.
- Eleusine indica* (L.) Gaertn., 1915 J. Bright s.n. Old World Tropics
- Elymus hystrix* L. var. *hystrix*, 2006 L. Speedy LS-06-618
- Elymus repens* (L.) Gould, 1928 J. Bright s.n. Eurasia
- Elymus riparius* Wieg., 2006 L. Speedy and D. Sofran LS-06-732
- Elymus virginicus* L. var. *virginicus*, 2007 L. Speedy and J. Nusser 07-607
- Eragrostis capillaris* (L.) Nees, 1924 J. Bright s.n.
- Eragrostis hypnoides* (Lam.) B.S.P., 2006 L. Speedy LS-06-967
- Eragrostis pectinacea* (Michx.) Nees ex Steud. var. *pectinacea*, 1915 J. Bright s.n.
- Eragrostis spectabilis* (Pursch.) Steud., 2006 L. Speedy LS-06-970
- Festuca subverticillata* (Pers.) Alexeev, 2007 L. Speedy and J. Nusser 07-597
- Glyceria canadensis* (Michx.) Trin., 2006 L. Speedy and K. Jurkovic LS-06-712
- Glyceria grandis* S. Wats. var. *grandis*, 2006 L. Speedy LS-06-436
- Glyceria melicaria* (Michx.) F.T. Hubbard, 2006 Speedy, L. LS-06-1004
- Glyceria septentrionalis* A.S. Hitchc., 1905 J.A. Shafer and G.E. Kinzer s.n.
- Glyceria striata* (Lam.) A.S. Hitchc., 2007 L. Speedy 07-549
- Holcus lanatus* L., 2006 L. Speedy LS-06-426 Europe
- Leersia oryzoides* (L.) Sw., 1982 F.H. Utech and M. Ohara 82-393
- Leersia virginica* Willd., 2007 L. Speedy 07-1636
- Lolium arundinaceum* (Schreb.) S.J. Darbyshire, 1995 B.L. Isaac and J.A. Isaac 7582 Europe
- Lolium perenne* L. ssp. *perenne*, 1907 J.A. Shafer s.n. Europe
- Lolium pratense* (Huds.) S.J. Darbyshire, 2007 L. Speedy 07-1715 Europe
- Microstegium vimineum* (Trin.) A. Camus, 2007 L. Speedy 07-1807 Tropical Asia
- Muhlenbergia frondosa* (Poir.) Fern., 1951 L.K. Henry and W.E. Buker s.n.
- Muhlenbergia schreberi* J.F. Gmel., 1901 J.A. Shafer s.n.
- Muhlenbergia sylvatica* Torr. ex Gray, 2007 L. Speedy 07-1717
- Muhlenbergia tenuiflora* (Willd.) B.S.P., 2006 L. Speedy and J. Nusser LS-06-675
- Panicum capillare* L., 1946 H.N. Mozingo s.n.
- Panicum dichotomiflorum* Michx. var. *dichotomiflorum*, 2007 L. Speedy and et al. 07-1605
- Panicum gattingeri* Nash, 1916 O.E. Jennings and G.K. Jennings and B. Patterson s.n.
- Panicum philadelphicum* Bernh. ex Trin., 1919 O.E. Jennings s.n.
- Panicum rigidulum* Bosc ex Nees var. *elongatum* (Pursh) Lelong, 1931 O.E. Jennings s.n.
- Panicum rigidulum* Bosc ex Nees var. *pubescens* (Vasey) Lelong, 1987 A.W. Cusick 26992
- Panicum rigidulum* Bosc ex Nees var. *rigidulum*, 1929 J. Bright 2352
- Panicum verrucosum* Muhl., 2006 L. Speedy and D. Sofran LS-06-936
- Panicum virgatum* L. var. *virgatum*, 2006 L. Speedy LS-06-988
- Pennisetum glaucum* (L.) R. Br., 1970 L.K. Henry s.n. Africa
- Phalaris arundinacea* L., 2006 L. Speedy and BSWP LS-06-749
- Phleum pratense* L., 1930 J. Bright 5042 Europe
- Poa alsodes* Gray, 2006 L. Speedy and K. Jurkovic LS-06-472
- Poa annua* L., 1942 O.E. Jennings s.n. Eurasia
- Poa compressa* L., 2007 L. Speedy and M. Bowers 07-686 Europe

- Poa cuspidata* Nutt., 2006 L. Speedy LS-06-11  
*Poa palustris* L., 2006 L. Speedy and BSWP LS-06-751  
*Poa pratensis* L. ssp. *pratensis*, 2007 L. Speedy LS-07-399  
*Poa saltuensis* Fern. & Wieg., 2007 L. Speedy and J. Nusser 07-602  
*Poa sylvestris* Gray, 1995 B.L. Isaac and J.A. Isaac 7089  
*Poa trivialis* L., 2007 L. Speedy 07-546 Europe  
*Schizachyrium scoparium* (Michx.) Nash var. *scoparium*, 1982 F.H. Utech and M. Ohara 82-394  
*Setaria faberi* Herrm., 1970 W.E. Buker s.n. Eastern Asia  
*Setaria pumila* (Poir.) Roemer & J.A. Schultes, 2006 L. Speedy LS-06-847 Europe  
*Setaria viridis* (L.) Beauv. var. *viridis*, 2006 L. Speedy LS-06-958 Eurasia  
*Sorghastrum nutans* (L.) Nash, 2006 L. Speedy LS-06-959  
*Spartina pectinata* Bosc ex Link, 2006 L. Speedy and BSWP LS-06-754  
*Sphenopholis nitida* (Biehler) Scribn., 1920 J. Bright s.n.  
*Tridens flavus* (L.) A.S. Hitchc. var. *flavus*, 2007 L. Speedy 07-1066

#### Polemoniaceae

- Phlox divaricata* L. ssp. *divaricata*, 1987 F.H. Utech 87-144  
*Phlox divaricata* L. ssp. *laphamii* (Wood) Wherry, 2006 L. Speedy LS-06-179  
*Phlox maculata* L. ssp. *maculata*, 1981 F.H. Utech 81-119  
*Phlox maculata* L. ssp. *pyramidalis* (Sm.) Wherry, 1951 L.K. Henry and W.E. Buker s.n.  
*Phlox paniculata* L., 2006 L. Speedy LS-06-630  
*Phlox stolonifera* Sims, 2006 L. Speedy LS-06-147  
*Polemonium reptans* L. var. *reptans*, 2007 L. Speedy LS-07-119

#### Polygalaceae

- Polygala ambigua* Nutt., 2000 R.B. Coxe s.n.  
*Polygala cruciata* L. var. *aquilonia* Fern. & Schub., 2006 L. Speedy and T. Pearson and D. Bryant LS-06-778 **G5:S1**  
*Polygala paucifolia* Willd., 1905 O.E. Jennings s.n.  
*Polygala sanguinea* L., 2006 L. Speedy and K. Jurkovic LS-06-689  
*Polygala verticillata* L. var. *verticillata*, 1954 W.E. Buker s.n.

#### Polygonaceae

- Fagopyrum esculentum* Moench, 1942 O.E. Jennings s.n. Asia  
*Fallopia convolvulus* (L.) A. Love, 1982 F.H. Utech and M. Ohara 82-397 Europe  
*Fallopia japonica* (Houtt.) R. Decr., 2007 L. Speedy 07-1693 Japan  
*Fallopia sachalinensis* (F. Schmidt ex Maxim.) R. Decr., 2006 L. Speedy LS-06-989 Japan  
*Fallopia scandens* (L.) Holub, 2007 L. Speedy 07-1701  
*Persicaria amphibia* var. *emersa* (Michx.) Hickman, 2006 L. Speedy and BSWP LS-06-750  
*Persicaria hydropiper* (L.) Opiz, 1946 O.E. Jennings s.n. Europe  
*Persicaria hydropiperoides* (Michx.) Small, 2007 L. Speedy 07-1635  
*Persicaria lapathifolia* (L.) S.F. Gray, 1999 S.P. Grund and et al. 2341

- Persicaria longiseta* (de Bruijn) Moldenke, 2006 L. Speedy LS-06-353  
*Persicaria maculosa* S.F. Gray, 1999 R.B. Coxe s.n. Europe  
*Persicaria nepalensis* (Meisn.) H. Gross, 1997 A.L. Woolston 3062 Asia  
*Persicaria orientalis* (L.) Assenov, 1944 O.E. Jennings s.n. India  
*Persicaria pensylvanica* (L.) Small, 2006 L. Speedy LS-06-844  
*Persicaria punctatum* (Ell.) Small, 2007 L. Speedy 07-1734  
*Persicaria sagittatum* (L.) Gross, 2000 R.B. Coxe s.n.  
*Persicaria virginiana* (L.) Gaertn., 2007 L. Speedy 07-1075  
*Polygonum aviculare* L., 1991 S.A. Thompson 8891 Europe  
*Polygonum cilinode* Michx., 1999 R.B. Coxe s.n.  
*Rumex acetosella* L., 2006 L. Speedy LS-06-431 Eurasia  
*Rumex crispus* L. ssp. *crispus*, 1991 S.A. Thompson 8906 Europe  
*Rumex obtusifolius* L., 2004 E.A. Zimmerman 214 Europe

#### Portulacaceae

- Claytonia caroliniana* Michx. var. *caroliniana*, 2006 L. Speedy LS-06-101  
*Claytonia virginica* L. var. *virginica*, 2006 L. Speedy LS-06-48  
*Portulaca grandiflora* Hook., 1900 J.A. Shafer s.n. Argentina

#### Potamogetonaceae

- Potamogeton amplifolius* Tuckerman, 1999 S.P. Grund and et al. 2274  
*Potamogeton crispus* L., 2006 L. Speedy and BSWP LS-06-759 Europe  
*Potamogeton diversifolius* Raf. var. *diversifolius*, 1997 S.P. Grund 2016  
*Potamogeton epihydrus* Raf., 1977 M. Polechko s.n.  
*Potamogeton foliosus* Raf. ssp. *foliosus*, 1977 M. Polechko s.n.  
*Potamogeton nodosus* Poir., 1977 M. Polechko s.n.  
*Potamogeton tennesseensis* Fern., 2006 L. Speedy and BSWP LS-06-758 **G2:S1**

#### Primulaceae

- Anagallis arvensis* L. ssp. *arvensis*, 1901 J.A. Shafer s.n. Eurasia  
*Lysimachia ciliata* L., 2006 L. Speedy and M. Bowers LS-06-523  
*Lysimachia lanceolata* Walt., 1959 O.E. Jennings s.n.  
*Lysimachia nummularia* L., 2004 E. Zimmerman 286 Europe  
*Lysimachia quadrifolia* L., 2007 L. Speedy and M. Bowers 07-664  
*Lysimachia xproducta* (Gray) Fern. (pro sp.), 1916 B.H. Patterson s.n.  
*Lysimachia terrestris* (L.) B.S.P., 2006 L. Speedy and M. Bowers LS-06-869

#### Pyrolaceae

- Pyrola americana* Sweet, 1976 W.E. Buker s.n.  
*Pyrola elliptica* Nutt., 1905 J.A. Shafer and G.E. Kinzer s.n.

#### Ranunculaceae

- Aconitum reclinatum* Gray, 1999 S.P. Grund and R. Coxe and E. Copeland 2368 **G3:S1**  
*Aconitum uncinatum* L. ssp. *muticum* (DC.) Hardin, 2006 L. Speedy and BSWP LS-06-752 **G4:S2**  
*Actaea pachypoda* Ell., 1932 W.R. Van Dersal s.n.  
*Actaea podocarpa* DC., 2006 L. Speedy LS06-996-1

- Actaea racemosa* L. var. *racemosa*, 2006 L. Speedy and M. Bowers LS-06-511 [*Cimicifuga racemosa* (L.) Nutt.]
- Anemone quinquefolia* L. var. *quinquefolia*, 2006 L. Speedy LS-06-136
- Anemone virginiana* L. var. *virginiana*, 2006 L. Speedy LS-06-570
- Aquilegia canadensis* L., 1987 F.H. Utech 87-173
- Aquilegia vulgaris* L., 1962 W.E. Buker s.n. Europe
- Caltha palustris* L. var. *palustris*, 2007 L. Speedy LS-07-115
- Clematis virginiana* L., 2007 L. Speedy 07-1021
- Delphinium exaltatum* Ait., 1994 J.D. Wagner and C.J. Boget 657 **G3:S1**
- Delphinium tricorne* Michx., 2006 L. Speedy LS-06-100
- Hepatica nobilis* Schreber var. *acuta* (Pursh) Steyermark, 2006 L. Speedy LS-06-16
- Hepatica nobilis* Schreber var. *obtusata* (Pursh) Steyermark, 1964 L.K. Henry s.n.
- Hydrastis canadensis* L., 2007 L. Speedy LS-07-397
- Ranunculus abortivus* L., 2006 L. Speedy LS-06-108
- Ranunculus acris* L. var. *acris*, 2006 L. Speedy LS-06-350 Europe
- Ranunculus allegheniensis* Britt., 1999 R.B. Coxe s.n.
- Ranunculus hispidus* Michx. var. *caricetorum* (Greene) T. Duncan, 1920 O.E. Jennings s.n.
- Ranunculus hispidus* Michx. var. *hispidus*, 2006 L. Speedy LS-06-40
- Ranunculus hispidus* Michx. var. *nitidus* (Chapman) T. Duncan, 1957 L.K. Henry s.n., PH
- Ranunculus micranthus* Nutt., 1997 S.P. Grund 1789
- Ranunculus recurvatus* Poir. var. *recurvatus*, 2006 L. Speedy LS-06-174
- Ranunculus repens* L., 1999 R.B. Coxe s.n. Europe
- Thalictrum coriaceum* (Britt.) Smal., 2005 C.M. Bowers s.n. **G4:S2**
- Thalictrum dioicum* L., 2007 L. Speedy LS-07-270
- Thalictrum pubescens* Pursh, 2006 L. Speedy and M. Bowers LS-06-522
- Thalictrum thalictroides* (L.) Eames & Boivin, 2006 L. Speedy LS-06-10
- Trautvetteria caroliniensis* (Walt.) Vail var. *caroliniensis*, 2007 L. Speedy 07-1036 **G5:S3**
- Rhamnaceae**
- Ceanothus americanus* L., 1985 C.W. Bier s.n.
- Frangula alnus* P. Mill., 2007 L. Speedy 07-1705 Europe
- Rosaceae**
- Agrimonia gryposepala* Wallr., 2006 L. Speedy and J. Nusser LS-06-582
- Agrimonia parviflora* Ait., 2007 L. Speedy 07-1025
- Agrimonia pubescens* Wallr., 1957 L.K. Henry s.n.
- Agrimonia rostellata* Wallr., 1953 W.E. Buker s.n.
- Agrimonia striata* Michx., 1999 R.B. Coxe s.n.
- Amelanchier arborea* (Michx. f.) Fern. var. *arborea*, 2006 L. Speedy LS-06-439
- Amelanchier canadensis* (L.) Medik., 1908 O.E. Jennings s.n. **G5:SNR**
- Amelanchier xintermedia* Spach (pro sp.), 1963 O.E. Jennings s.n.
- Amelanchier laevis* Wieg., 2006 L. Speedy LS-06-130
- Amelanchier stolonifera* Wieg., 2007 L. Speedy 07-136
- Aruncus dioicus* (Walt.) Fern. var. *dioicus*, 2007 L. Speedy 07-1660
- Crataegus dodgei* Ashe, 1920 O.E. Jennings s.n.
- Crataegus macrosperma* Ashe, 2006 L. Speedy LS-06-1017
- Crataegus phaenopyrum* (L. f.) Medik., 1946 J. Lewis s.n.
- Crataegus pruinosa* (Wendle. f.) K. Koch, 1902 W.M. Canby and C.S. Sargent and B.F. Bush 38
- Dalibarda repens* L., 1954 W.E. Buker s.n.
- Duchesnea indica* (Andr.) Focke, 2006 L. Speedy LS-06-953 Asia
- Fragaria vesca* L. ssp. *vesca*, 1955 L.K. Henry s.n.
- Fragaria virginiana* Duchesne ssp. *virginiana*, 2007 L. Speedy LS-07-189
- Geum canadense* Jacq. var. *canadense*, 2007 L. Speedy and J. Nusser 07-599
- Geum vernum* (Raf.) Torr. & Gray, 1920 O.E. Jennings s.n.
- Geum virginianum* L., 1934 J. Bright 9651
- Malus coronaria* (L.) P. Mill., 2006 L. Speedy LS-06-165
- Malus floribunda* Sieb. ex Van Houtte, 2007 L. Speedy 07-1463 Asia
- Malus pumila* P. Mill., 1934 E.H. Graham s.n. [*Pyrus malus* L.] Eurasia
- Photinia floribunda* (Lindl.) Robertson & Phipps, 1946 O.E. Jennings s.n. [*Pyrus floribunda* Lindl.]
- Photinia melanocarpa* (Michx.) Robertson & Phipps, 2006 L. Speedy LS-06-163 [*Pyrus melanocarpa* (Michx.) Willd.]
- Photinia pyrifolia* (Lam.) Robertson & Phipps, 1922 O.E. Jennings s.n. [*Pyrus floribunda* Lindl.]
- Physocarpus opulifolius* (L.) Maxim. var. *opulifolius*, 2007 L. Speedy 07-1035
- Porteranthus trifoliatus* (L.) Britt., 2006 L. Speedy LS-06-453
- Potentilla canadensis* L. var. *canadensis*, 2006 L. Speedy LS-06-159
- Potentilla norvegica* L. ssp. *monspeliensis* (L.) Aschers & Graebn., 1999 R.B. Coxe s.n.
- Potentilla recta* L., 2007 L. Speedy LS-07-402 Europe
- Potentilla simplex* Michx., 2007 L. Speedy and M. Bowers LS-07-246
- Prunus americana* Marsh. var. *americana*, 1954 L.K. Henry and W.E. Buker s.n.
- Prunus avium* (L.) L., 2007 L. Speedy LS-07-17 Eurasia
- Prunus pensylvanica* L. f. var. *pensylvanica*, 2006 L. Speedy LS-06-145
- Prunus persica* (L.) Batsch, 2006 L. Speedy LS-06-99-1 Asia
- Prunus serotina* Ehrh. var. *serotina*, 2006 L. Speedy LS-06-202
- Prunus virginiana* L. var. *virginiana*, 2006 L. Speedy LS-06-639
- Rosa carolina* L. var. *carolina*, 2007 L. Speedy and M. Bowers 07-690
- Rosa eglanteria* L., 1918 J. Bright s.n. Europe
- Rosa multiflora* Thunb. Ex Murr., 2007 L. Speedy 07-1646 Asia
- Rosa palustris* Marsh., 1999 R.B. Coxe s.n.
- Rosa wichuraiana* Crepin, 2006 L. Speedy and M. Bowers LS-06-530 Asia
- Rubus adjacens* Fern., 1904 O.E. Jennings s.n.

- Rubus allegheniensis* Porter var. *allegheniensis*, 2006 L. Speedy LS-06-401
- Rubus canadensis* L., 1929 J. Bright 1866
- Rubus fecundus* Bailey, 1951 H.A. Davis and T. Davis 9466
- Rubus flagellaris* Willd., 2007 L. Speedy and M. Bowers LS-07-248
- Rubus illecebrosus* Focke, 1999 R.B. Coxe s.n. Japan
- Rubus invisus* (Bailey) Britt., 1950 H.A. Davis and T. Davis 9166
- Rubus hispidus* L., 2007 L. Speedy and Botanical Soc. of W Pa 07-642
- Rubus laudatus* Berger, 1955 H.A. Davis and T. Davis 10905
- Rubus occidentalis* L., 2006 L. Speedy and K. Jurkovic LS-06-476
- Rubus odoratus* L. var. *odoratus*, 2006 L. Speedy LS-06-368
- Rubus paganus* Bailey, 1950 H.A. Davis and T. Davis 9079
- Rubus pensilvanicus* Poir., 2006 L. Speedy LS-06-413
- Rubus permixtus* Blanch., 1950 H.A. Davis and T. Davis s.n.
- Rubus plicatifolius* Blanch., 1905 O.E. Jennings s.n.
- Rubus provincialis* Bailey, 1950 H.A. Davis and T. Davis s.n.
- Rubus pubescens* Raf. var. *pubescens*, 2006 L. Speedy and E. Richards LS-06-310
- Rubus pugnax* Bailey, 1950 H.A. Davis and T. Davis 9174
- Rubus racemiger* Bailey, 1951 H.A. Davis and T. Davis 9472
- Rubus recurvicaulis* Blanch., 2006 L. Speedy LS-06-443
- Rubus roribaccus* (Bailey) Rydb., 1955 H.A. Davis and T. Davis 10903
- Rubus rosa* Bailey, 1924 J. Bright s.n.
- Rubus setosus* Bigelow, 1951 H.A. Davis and T. Davis 9473
- G5:SH**
- Rubus suus* Bailey, 1906 O.E. Jennings and G.K. Jennings s.n.
- Sanguisorba canadensis* L., 1940 O.E. Jennings s.n.
- Sorbus americana* Marsh., 1946 O.E. Jennings s.n.
- Spiraea alba* Du Roi var. *alba*, 2007 L. Speedy and M. Bowers 07-856
- Spiraea alba* Du Roi var. *latifolia* (Ait.) Dippel, 1986 C. Bier and B. Woodworth and M. Bowers s.n.
- Spiraea japonica* L. f. var. *fortunei* (Planch.) Rehd., 2006 L. Speedy LS-06-998 Japan
- Spiraea virginiana* Britt., 1901 J.A. Shafer 343 **G2:SX**
- Waldsteinia fragarioides* (Michx.) Tratt. ssp. *fragarioides*, 1938 L.K. Henry s.n.
- Rubiaceae**
- Cephalanthus occidentalis* L., 1999 R.B. Coxe s.n.
- Galium aparine* L., 2006 L. Speedy LS-06-115
- Galium asprellum* Michx., 1991 S.A. Thompson 8901
- Galium boreale* L., 1904 O.E. Jennings s.n.
- Galium circaezans* Michx. var. *circaezans*, 2006 L. Speedy LS-06-617
- Galium circaezans* Michx. var. *hypomalacum* Fern., 1935 O.E. Jennings s.n.
- Galium lanceolatum* Torr., 1950 W.E. Buker s.n.
- Galium latifolium* Michx., 2004 R. Coxe s.n. **G5:S3**
- Galium mollugo* L., 2007 L. Speedy 07-1696 Eurasia
- Galium pilosum* Ait. var. *pilosum*, 1948 W.E. Buker s.n.
- Galium tinctorium* (L.) Scop., 2007 L. Speedy and M. Bowers 07-835
- Galium trifidum* L. ssp. *trifidum*, 1954 W.E. Buker s.n. **G5:S2**
- Galium triflorum* Michx., 1999 S.P. Grund and R. Coxe and E. Copeland 2366
- Houstonia caerulea* L., 2006 L. Speedy LS-06-113
- Houstonia purpurea* L. var. *purpurea*, 2007 L. Speedy 07-625 **G5T5:S1**
- Houstonia serpyllifolia* Michx., 2004 R. Coxe s.n. **G4?:S1**
- Mitchella repens* L., 2006 L. Speedy LS-06-148
- Salicaceae**
- Populus alba* L., 1950 W.E. Buker s.n. Eurasia
- Populus xcanescens* (Ait.) Sm. (pro sp.), 1901 J.A. Shafer s.n. Eurasia
- Populus deltoides* Bartr. Ex Marsh. ssp. *deltoides*, 1940 J.F. Lewis s.n.
- Populus grandidentata* Michx., 1999 R.B. Coxe s.n.
- Populus xjackii* (cv. *Balm of Gilead*) Sarg., 1953 L.K. Henry and W.E. Buker s.n.
- Populus tremuloides* Michx., 1941 O.E. Jennings s.n.
- Salix bebbiana* Sarg., 1947 W.E. Buker s.n.
- Salix eriocephala* Michx., 1999 R.B. Coxe s.n.
- Salix fragilis* L., 2007 L. Speedy 07-1067 Europe
- Salix humilis* Marsh. var. *humilis*, 1953 L.K. Henry and W.E. Buker s.n.
- Salix interior* Rowlee, 2007 L. Speedy and M. Bowers 07-1608
- Salix nigra* Marsh., 2006 L. Speedy LS-06-361
- Salix sericea* Marsh., 2007 L. Speedy and M. Bowers 07-937
- Salix serissima* (Bailey) Fern., 1932 W.R. Van Dersal s.n. **G4:S2**
- Santalaceae**
- Pyralaria pubera* Michx., 2006 L. Speedy and M. Bowers LS-06-525 **G5:S3**
- Sarraceniaceae**
- Sarracenia purpurea* L. ssp. *gibbosa* (Raf.) Wherry, 2006 L. Speedy and E. Richards LS-06-306
- Saxifragaceae**
- Chrysosplenium americanum* Schwein. ex Hook., 2006 L. Speedy LS-06-154
- Heuchera americana* L. var. *americana*, 1987 F.H. Utech 87-165
- Heuchera pubescens* Pursh, 1968 H. Fong and et al. WP-1350
- Mitella diphylla* L., 2007 L. Speedy LS-07-413
- Saxifraga micranthidifolia* (Haw.) Steud., 2006 L. Speedy LS-06-139 **G5:S4**
- Saxifraga pensylvanica* L., 2007 L. Speedy LS-07-379
- Saxifraga virginiana* Michx. var. *virginiana*, 2007 L. Speedy LS-07-11
- Tiarella cordifolia* L. var. *cordifolia*, 2006 L. Speedy LS-06-138
- Scrophulariaceae**
- Agalinis purpurea* (L.) Pennell, 1929 J. Bright 2376
- Aureolaria flava* (L.) Farw. var. *flava*, 1947 L.K. Henry s.n.
- Aureolaria laevigata* (Raf.) Raf., 2006 L. Speedy LS-06-837
- Aureolaria virginica* (L.) Pennell, 2004 R. Coxe s.n.
- Castilleja coccinea* (L.) Spreng., 2007 L. Speedy LS-07-362 **G5:S2**
- Chaenorhinum minus* (L.) Lange, 2006 L. Speedy and E. Richards LS-06-312 Europe

- Chelone glabra* L., 2006 L. Speedy LS-06-1012.  
*Collinsia verna* Nutt., 2006 L. Speedy LS-06-170 **G5:S4**  
*Digitalis purpurea* L. var. *purpurea*, 1905 J.A. Shafer and G.E. Kinzer s.n. Europe  
*Gratiola neglecta* Torr., 2006 L. Speedy LS-06-437  
*Linaria vulgaris* P. Mill., 1981 F.H. Utech 81-221 Eurasia  
*Lindernia dubia* (L.) Pennell var. *dubia*, 2007 L. Speedy 07-1028  
*Melampyrum lineare* Desr. var. *lineare*, 1947 W.E. Buker s.n.  
*Mimulus ringens* L. var. *ringens*, 2007 L. Speedy and M. Bowers 07-920  
*Pedicularis canadensis* L. ssp. *canadensis*, 2006 L. Speedy LS-06-1009  
*Pedicularis lanceolata* Michx., 1903 O.P. Medsger s.n. **G5:S1S2**  
*Penstemon digitalis* Nutt. ex Sims, 1952 C.M. Boardman s.n.  
*Scrophularia marilandica* L., 2007 L. Speedy 07-1455  
*Verbascum blattaria* L., 1999 R.B. Coxe s.n. Eurasia  
*Verbascum thapsus* L., 1953 L.K. Henry and F.H. Beer s.n. Europe  
*Veronica americana* Schwein. ex Benth., 2006 L. Speedy LS-06-351  
*Veronica chamaedrys* L., 1920 J. Bright s.n. Eurasia  
*Veronica officinalis* L. var. *officinalis*, 2006 L. Speedy LS-06-572  
*Veronica peregrina* L. ssp. *peregrina*, 1939 O.E. Jennings s.n.  
*Veronica serpyllifolia* L. ssp. *serpyllifolia*, 1932 W.R. VanDersal s.n. Europe  
*Veronicastrum virginicum* (L.) Farw., 2006 L. Speedy LS-06-638

**Simaroubaceae**

- Ailanthus altissima* (P.Mill.) Swingle, 2006 L. Speedy LS-06-626 Asia

**Smilacaceae**

- Smilax glauca* Walt., 2006 L. Speedy LS-06-555  
*Smilax herbacea* L., 2007 L. Speedy 07-1030  
*Smilax rotundifolia* L., 2006 L. Speedy LS-06-203  
*Smilax tamnoides* L., 1934 E.H. Graham s.n.

**Solanaceae**

- Datura stramonium* L., 1939 W.G. Burig s.n. exotic Mexico  
*Lycium barbarum* L., 1950 L.K. Henry and W.E. Buker s.n. Eurasia  
*Physalis heterophylla* Nees var. *heterophylla*, 1953 L.K. Henry and F.H. Beer s.n.  
*Physalis longifolia* Nutt. var. *subglabrata* (Mackenzie & Bush) Cronq., 2007 L. Speedy 07-1053  
*Solanum carolinense* L. var. *carolinense*, 1955 C.M. Boardman s.n.  
*Solanum dulcamara* L. var. *dulcamara*, 2007 L. Speedy 07-1708 Eurasia  
*Solanum ptychanthum* Dunal, 1900 J.A. Shafer s.n.

**Sparganiaceae**

- Sparganium americanum* Nutt., 2006 L. Speedy and T. Pearson and D. Bryant LS-06-788  
*Sparganium angustifolium* Michx., 1908 O.E. Jennings s.n. **G5:S2**

- Sparganium erectum* L. ssp. *stoloniferum* (Graebn.) Hara, 1999 R.B. Coxe s.n.

**Staphyleaceae**

- Staphylea trifolia* L., 2006 L. Speedy LS-06-105

**Thymelaeaceae**

- Dirca palustris* L., 2007 L. Speedy and Botanical Society of Western PA 07-1611

**Tiliaceae**

- Tilia americana* L. var. *americana*, 2006 L. Speedy LS-06-951  
*Tilia americana* L. var. *heterophylla* (Vent.) Loud., 2006 L. Speedy LS-06-371  
*Tilia cordata* *Tilia cordata* P. Mill., 1934 A. Conn s.n. exotic Europe

**Typhaceae**

- Typha latifolia* L., 1991 S.A. Thompson 8888

**Ulmaceae**

- Celtis occidentalis* L., 2007 L. Speedy 07-1822  
*Celtis tenuifolia* Nutt., 1950 W.E. Buker s.n.  
*Ulmus americana* L., 2007 L. Speedy 07-1638  
*Ulmus rubra* Muhl., 2006 L. Speedy LS-06-63

**Urticaceae**

- Boehmeria cylindrica* (L.) Sw., 1951 L.K. Henry and W.E. Buker s.n.  
*Laportea canadensis* (L.) Weddell, 2006 L. Speedy and J. Nusser LS-06-665  
*Parietaria pennsylvanica* Muhl. ex Willd., 1970 L.K. Henry s.n.  
*Pilea pumila* (L.) Gray var. *pumila*, 2007 L. Speedy 07-1821  
*Urtica dioica* L. ssp. *gracilis* (Ait.) Seland., 1946 H.N. Mozingo s.n.

**Valerianaceae**

- Valeriana pauciflora* Michx., 2006 L. Speedy LS-06-181  
*Valerianella chenopodiifolia* (Pursh) DC., 1950 L.K. Henry and F.H. Beer s.n.  
*Valerianella umbilicata* (Sullivant) Wood, 1987 F.H. Utech 87-146

**Verbenaceae**

- Phryma leptostachya* L., 2006 L. Speedy LS-06-616  
*Verbena hastata* L. var. *hastata*, 2007 L. Speedy and M. Bowers 07-862  
*Verbena simplex* Lehm., 1948 W.E. Buker s.n.  
*Verbena urticifolia* L. var. *urticifolia*, 1984 S.A. Thompson 1875

**Violaceae**

- Hybanthus concolor* (T.F. Forst.) Spreng., 2006 L. Speedy LS-06-619  
*Viola affinis* Le Conte, 1954 L.K. Henry and W.E. Buker s.n.  
*Viola bicolor* Pursh, 1950 L.K. Henry and F.H. Beer s.n.  
*Viola xbissellii* House, 1955 L.K. Henry s.n.  
*Viola blanda* Willd. var. *blanda*, 2006 L. Speedy LS-06-132  
*Viola xbrauniae* Grover ex Cooperrider, 1920 O.E. Jennings s.n.  
*Viola canadensis* L. var. *canadensis*, 2006 L. Speedy LS-06-193  
*Viola cucullata* Ait., 2006 L. Speedy LS-06-135  
*Viola xeclipes* H.E. Ballard, 1942 O.E. Jennings s.n.  
*Viola hastata* Michx., 2006 L. Speedy LS-06-131  
*Viola hirsutula* Brainerd, 1947 W.E. Buker s.n.

- Viola labradorica* Schrank, 2006 L. Speedy LS-06-157  
*Viola lanceolata* L. ssp. *lanceolata*, 1988 R.S. Mulvihill and R.C. Leberman 10  
*Viola macloskeyi* Lloyd ssp. *pallens* (Banks ex Ging) M.S. Baker, 2006 L. Speedy LS-06-167  
*Viola xmalteana* House, 1961 L.K. Henry s.n.  
*Viola xpalmata* L. (pro sp.), 1992 J.A. Isaac 3908  
*Viola xporteriana* Pollard (pro sp.), 1950 L.K. Henry and W.E. Buker s.n.  
*Viola xprimulifolia* L. (pro sp.), 2007 L. Speedy and Botanical Soc. of W Pa 07-648  
*Viola pubescens* Ait. var. *pubescens*, 2006 L. Speedy and D. Sofran LS-06-215  
*Viola pubescens* Ait. var. *scabriuscula* Schwein. ex Torr. & Gray, 2006 L. Speedy LS-06-23  
*Viola xredacta* House, 1953 L.K. Henry and W.E. Buker s.n.  
*Viola rostrata* Pursh, 2006 L. Speedy LS-06-70  
*Viola rotundifolia* Michx., 2006 L. Speedy LS-06-94  
*Viola sagittata* Ait. var. *ovata* (Nutt.) Torr. & Gray, 2006 L. Speedy LS-06-208  
*Viola sagittata* Ait. var. *sagittata*, 1956 W.E. Buker s.n.  
*Viola sororia* Willd., 2006 L. Speedy LS-06-42  
*Viola striata* Ait., 2006 L. Speedy LS-06-178  
*Viola tripartita* Ell., 1920 O.E. Jennings and G.K. Jennings and et. al. s.n. **G5:SH**

**Vitaceae**

- Parthenocissus quinquefolia* (L.) Planch., 2007 L. Speedy 07-1063  
*Vitis aestivalis* Michx. var. *bicolor* Deam, 2007 L. Speedy and M. Bowers 07-670  
*Vitis cinerea* (Engelm.) Millard var. *baileyana* (Munson) Comeaux, 1934 E.H. Graham s.n. **G4G5TNR:SH**  
*Vitis labrusca* L., 2006 L. Speedy and K. Jurkovic LS-06-466  
*Vitis xnovae-angliae* Fern. (pro sp.), 1942 O.E. Jennings s.n. **G4G5Q:S1**  
*Vitis riparia* Michx., 1942 O.E. Jennings s.n.  
*Vitis rupestris* Scheele, 2001 S.P. Grund and L. Smith 2562 **G3:S1**  
*Vitis vulpina* L., 2007 L. Speedy and M. Bowers 07-672

**Xyridaceae**

- Xyris torta* Sm., 2006 L. Speedy and T. Pearson and D. Bryant LS-06-780 **G5:S1**

**GYMNOSPERMS****Cupressaceae**

- Thuja occidentalis* L., 1985 S.A. Thompson and M. Stieber 2224

**Pinaceae**

- Abies balsamea* (L.) P. Mill., 1998 P. Ludrosky 20-11-98, CUP  
*Larix decidua* P. Mill., 1999 S.P. Grund 2140 Europe  
*Pinus resinosa* Ait., 1966 A. Conn s.n.  
*Pinus rigida* P. Mill., 2006 L. Speedy LS06-449-1  
*Pinus strobus* L., 2006 L. Speedy and J. Nusser LS06-578-1  
*Pinus sylvestris* L., 1985 K. Peters 22-7E-86 Eurasia, CUP  
*Pinus virginiana* P. Mill., 1941 O.E. Jennings s.n.  
*Tsuga canadensis* (L.) Carr., 2006 L. Speedy LS-06-402

**Taxaceae**

- Taxus canadensis* Marsh., 1936 W. McLean s.n. **G5:S3S4**

**LYCOPHYTES****Isoëtaceae**

- Isoetes engelmannii* A. Braun, 1933 W.R/Van Dersal s.n.

**Lycopodiaceae**

- Huperzia lucidula* (Michx.) Trevisan, 2006 L. Speedy LS-06-993  
*Lycopodiella inundata* (L.) Holub, 2006 L. Speedy and E. Richards LS-06-315  
*Lycopodium clavatum* L., 2006 L. Speedy LS-06-414  
*Lycopodium dendroideum* Michx., 1963 O.E. Jennings s.n.  
*Lycopodium digitatum* Dill. ex A. Braun, 2006 L. Speedy and K. Jurkovic LS-06-460  
*Lycopodium hickeyi* W.H. Wagner, Beitel & Moran, 2006 L. Speedy and K. Jurkovic LS-06-692  
*Lycopodium obscurum* L., 2006 L. Speedy and K. Jurkovic. LS-06-462  
*Lycopodium tristachyum* Pursh, 1946 H.N. Mozingo s.n.

**Selaginellaceae**

- Selaginella apoda* (L.) Spring, 1937 O.E. Jennings s.n.

**EQUISETOPHYTES****Equisetaceae**

- Equisetum arvense* L., 2006 L. Speedy LS-06-64  
*Equisetum hyemale* L. var. *affine* (Engelm.) A.A. Eat., 2007 L. Speedy 07-1724

**POLYPODIOPHYTES****Aspleniaceae**

- Asplenium montanum* Willd., 1995 S.P. Grund 1024  
*Asplenium pinnatifidum* Nutt., 1995 S.P. Grund 1025 **G4:S3**  
*Asplenium platyneuron* (L.) B.S.P. var. *platyneuron*, 2006 L. Speedy LS-06-942  
*Asplenium rhizophyllum* L., 2006 L. Speedy LS-06-991  
*Asplenium ruta-muraria* L. var. *cryptolepis* (Fern.) Wherry, 1934 E.H. Graham s.n.  
*Asplenium trichomanes* L. ssp. *trichomanes*, 1948 D.H. Krouse s.n.  
*Asplenium xtrudellii* Wherry (pro sp.), 1999 S.P. Grund and et al. 2272

**Dennstaedtiaceae**

- Dennstaedtia punctilobula* (Michx.) T. Moore, 2007 L. Speedy 07-1081  
*Pteridium aquilinum* (L.) Kuhn. var. *latiusculum* (Desv.) Underwood ex Heller, 2006 L. Speedy LS-06-556

**Dryopteridaceae**

- Athyrium filix-femina* (L.) Roth ssp. *angustum* (Willd.) Clausen, 2006 L. Speedy LS-06-1005  
*Athyrium filix-femina* (L.) Roth ssp. *asplenioides* (Michx.) Hulten, 1957 L.K. Henry s.n.  
*Cystopteris bulbifera* (L.) Bernh., 1992 J.A. Isaac 3918  
*Cystopteris protrusa* (Weatherby) Blasdell, 2007 L. Speedy and J. Nusser 07-604



- Cystopteris tenuis* (Michx.) Desv., 2006 L. Speedy LS-06-992  
*Deparia acrostichoides* (Sw.) M. Kato, 2006 L. Speedy LS-06-999  
*Diplazium pycnocarpon* (Spreng.) Broun, 2006 L. Speedy and J. Nusser LS-06-668  
*Dryopteris carthusiana* (Vill.) H.P. Fuchs, 2006 L. Speedy LS-06-941  
*Dryopteris cristata* (L.) Gray, 2007 L. Speedy 07-1658  
*Dryopteris goldiana* (Hook. ex Goldie) Gray, 2006 L. Speedy and J. Nusser LS-06-669  
*Dryopteris intermedia* (Muhl. ex Willd.) Gray, 2007 L. Speedy 07-621  
*Dryopteris marginalis* (L.) Gray, 1999 R.B. Coxe s.n.  
*Dryopteris xtriploidea* Wherry, 2006 L. Speedy LS06-9401  
*Gymnocarpium dryopteris* (L.) Newman, 1951 L.K. Henry and W.E. Buker s.n.  
*Matteuccia struthiopteris* (L.) Todaro, 2006 L. Speedy LS-06-362  
*Onoclea sensibilis* L., 1999 R.B. Coxe s.n.  
*Polystichum acrostichoides* (Michx.) Schott var. *acrostichoides*, 1995 B.L. Isaac and J.A. Isaac 7084  
*Woodsia obtusa* (Spreng.) Torr. ssp. *obtusa*, 1950 L.K. Henry and W.E. Buker s.n.
- Ophioglossaceae**  
*Botrychium dissectum* Spreng., 2006 L. Speedy LS-06-972  
*Botrychium lanceolatum* (Gmel.) Angstr. var. *angustistegmentum* Pease & Moore, 2003 E.A. Zimmerman 38  
*Botrychium matricarifolium* (A. Braun ex Dowell) A. Braun ex Koch, 1949 W.E. Buker s.n.
- Botrychium virginianum* (L.) Sw., 2007 L. Speedy and J. Nusser 07-598  
*Ophioglossum vulgatum* L., 2004 J. Love s.n. **G5:S3S4**
- Osmundaceae**  
*Osmunda cinnamomea* L. var. *cinnamomea*, 2006 L. Speedy and M. Bowers LS-06-274  
*Osmunda claytoniana* L., 2006 L. Speedy and M. Bowers LS-06-275  
*Osmunda regalis* L. var. *spectabilis* (Willd.) Gray, 2007 L. Speedy and Botanical Soc. of W Pa 07-636
- Polypodiaceae**  
*Polypodium appalachianum* Hauffler & Windham, 2006 L. Speedy and J. Nusser LS-06-660  
*Polypodium virginianum* L., 2006 L. Speedy LS-06-365
- Pteridaceae**  
*Adiantum pedatum* L., 2007 L. Speedy LS-07-410  
*Pellaea atropurpurea* (L.) Link, 1994 J.A. Isaac 6070
- Thelypteridaceae**  
*Phegopteris connectilis* (Michx.) Watt, 1965 L. Louden s.n.  
*Phegopteris hexagonoptera* (Michx.) Fee, 2006 L. Speedy LS-06-1002  
*Thelypteris noveboracensis* (L.) Nieuwl., 2007 L. Speedy 07-614  
*Thelypteris palustris* Schott var. *pubescens*, 2007 L. Speedy and M. Bowers 07-846

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